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Government
Publications

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Canada inland waters branch

electric power in canada



map supplement
atlantic provinces



**TRANSMISSION
AND
GENERATING FACILITIES**

Atlantic Provinces

**INLAND WATERS BRANCH
DEPARTMENT OF ENERGY, MINES AND RESOURCES**

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QUEEN'S PRINTER FOR CANADA
OTTAWA, 1969

Cat. No. M23-108/1968-1

HYDRO

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.

New Brunswick

1	Mactaquac	Saint John	NBEP	1968	1968		3	140,000	420,000	100,000	300,000
2	Beechwood	Saint John	NBEP	1957	1962	57	2	45,000		36,000	
							1	55,000	145,000	40,500	112,500
3	Grand Falls	Saint John	NBEP	1928	1931	125	4	20,000	80,000	15,750	63,000
4	Tinker	Aroostook	MNBP	1906	1965	85	2	2,000		1,500	
							2	5,000		3,520	
							1	33,000	47,000	20,800	30,840
5	Tobique	Tobique	NBEP	1953	1953	75	2	13,500	27,000	10,000	20,000
6	Great Falls	Nepisiguit	BPPC	1921	1930	108	2	5,000		3,600	
						110	1	5,500	15,500	3,600	10,800
7	Sisson	Tobique	NBEP	1965	1965	135	1	12,500	12,500	10,000	10,000
8	Musquash	Musquash	NBEP	1920	1920	99.5	2	3,670		2,320	
						124.5	1	3,760	11,100	2,320	6,960
9	Milltown	St. Croix	NBEP	1911	1967	21	3	1,080		770	
						25	1	500		376	
						30	1	468		350	
							1	500		400	
							1	900	5,608	700	4,136
10	Edmundston	Madawaska	FC	1918	1918	21.1	2	1,000	2,000	1,000	2,000
Total capacity of plants under 1,500 kw.									3,025		2,500
Total capacity of turbines connected directly to mechanical equipment									5,000		
Total (all plants)									773,733		562,736

Nova Scotia

1	Weymouth Falls	Sissiboo	NSPC	1960	1967	122	2	12,000	24,000	9,000	18,000
2	Lequille	Allain	NSLPC	1968	-		1	15,000	15,000	11,200	11,200
3	Deep Brook	Mersey	NSPC	1950	1950	46	2	6,400	12,800	4,500	9,000
4	Big Falls	Mersey	NSPC	1929	1929	58	2	6,350	12,700	4,500	9,000
5	Lower Lake Falls	Mersey	NSPC	1929	1929	48.5	2	5,300	10,600	3,690	7,380
6	Cowie Falls	Mersey	NSPC	1937	1937	43	2	5,100	10,200	3,600	7,200
7	Ruth Falls	East, Sheet Harbour	NSPC	1927	1936	110	2	3,145		2,000	
						109	1	4,300	10,590	2,970	6,970
8	Hells Gates	Black	NSLPC	1930	1949	185	1	4,500		3,360	
							1	4,500	9,000	3,570	6,930

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
NOVA SCOTIA (Cont'd)											
9	Nictaux	Nictaux	NSLPC	1954	-	382	1	9,000	9,000	6,800	6,800
10	Gulch	Bear	NSPC	1956	-	225	1	8,500	8,500	6,000	6,000
11	Sissiboo Falls	Sissiboo	NSPC	1960	-	87	1	8,000	8,000	6,000	6,000
12	Upper Lake Falls	Mersey	NSPC	1929	1929	31.5	2	2,350	4,700	2,700	5,400
13	Hollow Bridge	Black	NSLPC	1940	-	148	1	7,500	7,500	5,312	5,312
14	Tidewater	North East	NSPC	1921	1921	91.5	2	3,450	6,900	2,320	4,640
15	Lower Great Brook	Mersey	NSPC	1955	1955	22	2	3,120	6,240	2,250	4,500
16	Ridge	Bear	NSPC	1957	-	140	1	5,300	5,300	4,000	4,000
17	Dickie Brook	Dickie Brook	NSPC	1948	1948	298	1	1,750		1,200	
							1	1,750	3,500	2,600	3,800
18	Avon No. 1	Avon	NSLPC	1958	-	117.5	1	5,000	5,000	3,750	3,750
19	Malay Falls	East, Sheet Harbour	NSPC	1924	1954	43	2	1,850		1,200	
						41	1	1,740	5,440	1,200	3,600
20	Paradise	Paradise Brook	NSLPC	1950	-	465	1	5,000	5,000	3,600	3,600
21	Methal's	Methal's Brook	NSLPC	1949	-	45	1	4,600	4,600	3,400	3,400
22	Sandy Lake	North East	NSPC	1927	1927	118	2	2,500	5,000	1,600	3,200
23	White Rock	Gasperaux	NSLPC	1952	-	58	1	4,000	4,000	3,200	3,200
24	St. Croix	St. Croix	MBPP	1934	-	148	1	4,200	4,200	3,000	3,000
25	Avon No. 2	Avon	NSLPC	1929	-	142	1	3,900	3,900	3,000	3,000
26	Lumsden	Black	NSLPC	1942	-	72	1	4,500	4,500	2,800	2,800
27	Mill Lake	North East	NSPC	1921	1921	162.5	2	1,900	3,800	1,280	2,560
28	Tusket	Tusket	NSPC	1929	1929	18	3	940	2,820	720	2,160
29	Salmon Hole	St. Croix	MBPP	1938	-	75	1	2,500	2,500	2,000	2,000
Total capacity of plants under 1,500 kw.									6,365		4,358
Total capacity of turbines connected directly to mechanical equipment											
Total (all plants)									221,655		162,760

Newfoundland

1	Bay d'Espoir	Salmon	NPC	1967	1967		4	100,000	400,000	76,500	306,000
2	Twin Falls	Unknown	TFPC	1962	1963	290	5	60,000	300,000	46,800	234,000

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
NEWFOUNDLAND (Cont'd)											
3	Deer Lake	Humber	BPC	1925	1930	247	4 3 2	16,000 16,000 29,000	170,000	11,284 11,305 19,950	118,951
4	Grand Falls	Exploits	PPP	1909	1938	109	3 1	2,500 36,000	43,500	1,500 26,000	30,500
5	Menihek	Ashuanipi (Labrador)	IOCC	1954	1960	34 40	2 1	6,000 13,500	25,500	4,250 10,200	18,700
6	Bishops Falls	Exploits	PPP	1909	1952	35	7 2	2,700 1,500	21,900	2,025 1,500	17,175
7	Rattling Brook	Rattling Brook	NLPC	1958	1958	307	2	8,500	17,000	6,375	12,750
8	Mobile	Mobile	NLPC	1951	-	370	1	13,000	13,000	9,350	9,350
9	Watson's Brook	Corner Brook	BPC	1958	1958	559	2	6,000	12,000	4,600	9,200
10	Horse Chops	Horse Chops	NLPC	1953	-	276	1	10,000	10,000	7,650	7,650
11	Tors Cove	Tors Cove	NLPC	1942	1951	173	2 1	2,850 3,500	9,200	2,000 2,500	6,500
12	Cape Broyle	Horse Chops	NLPC	1952	-	176	1	7,600	7,600	6,000	6,000
13	Sandy Brook	Sandy Brook	NLPC	1963	-	115	1	8,000	8,000	5,950	5,950
14	Lookout Brook	Lookout Brook	WCPC	1945	1958	575	2 1	1,850 3,600	7,300	1,400 2,400	5,200
15	Petty Harbour	Petty Harbour	NLPC	1908	1926	190	2 1	2,100 2,750	6,950	1,600 1,800	5,000
16	New Chelsea	New Chelsea Brook	NLPC	1957	-	275	1	5,600	5,600	4,000	4,000
17	Seal Cove	Seal Cove	NLPC	1922	1927	190	1 1	1,500 3,040	4,540	1,200 2,400	3,600
18	Pierres Brook	Pierres Brook	NLPC	1931	-	263	1	4,500	4,500	3,200	3,200
19	Rocky Pond	Tors Cove	NLPC	1943	-	107	1	4,200	4,200	3,200	3,200
20	Lockston	Lockston	NLPC	1956	1961	270	2	2,000	4,000	1,500	3,000
21	Hearts Content	Hearts Content Brook	NLPC	1960	-	150	1	3,600	3,600	2,400	2,400
22	Buchans Brook	Buchans Brook	ASRC	1927	-	163	1	2,359	2,359	1,760	1,760
Total capacity of plants 1,500 kw.									7,490	5,440	
Total capacity of turbines connected directly to mechanical equipment									22,000		
Total (all plants)									1,110,239	819,526	

THERMAL

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.

New Brunswick

1	Courtenay Bay	East Saint John	NBEPCC	1961	1967	Oil	S	1 1 2	50,000 13,365 110,000	283,365
2	Grand Lake No. 2	Newcastle Creek	NBEPCC	1951	1963	Coal	S	2 1 1	5,000 15,000 60,000	85,000
3	Chatham	Chatham	NBEPCC	1948	1956	Coal, oil	S	1 1	12,500 20,000	32,500
4	Lancaster	Lancaster	IPP	1947	1960	Oil	S	1 1 1	2,000 10,000 12,500	24,500
5	Bathurst	Bathurst	CB	1937	1958	Coal, oil	S	1 1 1	6,000 7,600 7,000	20,600
6	Edmundston	Edmundston	FC	1949	1958	Coal, wood- waste	S	1 1 1	3,000 3,800 12,500	19,300
7	Dalhousie	Dalhousie	NBIPC	1929	1937	Coal	S	1 1 2 2	6,000 8,000 800 750	17,100
8	Dock Street	Saint John	NBEPCC	1929	1947	Coal, oil	S	1 1	6,000 10,000	16,000
9	Newcastle	Newcastle	FC	-	1967	Coal	S	1	15,625	15,625
10	Grand Lake No. 1	Newcastle Creek	NBEPCC	1931	1944	Coal	S	1 1	6,250 7,500	13,750
11	Atholville	Atholville	FC	1929	1956	Coal, wood- waste	S	3 1 1	1,000 2,000 5,000	10,000
12	Saint John	Saint John	ASR	1954	1962	Oil	S	1 1	2,500 1,000	3,500
13	Edmundston	Edmundston	ME	1947	1955	Oil	IC	2 1	690 1,876	3,256
14	Campbellton	Campbellton	CC	1946	1953	Oil	IC	1 1 1	240 1,136 1,360	2,736
15	Grand Manan	Grand Manan	NBEPCC	1957	1966	Oil	IC	1 1 2 1	200 250 700 503	2,353

Total capacity of plants 1,500 kw. and over (not listed above)

Total capacity of plants under 1,500 kw.

2,000

Total (all plants)

551,585

IC - Internal Combustion, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.

Nova Scotia

1	Lower Water Street	Halifax	NSLPC	1944	1959	Coal, oil	S	1 2 1 2	12,500 20,000 25,000 45,000	167,500
2	Glace Bay	Glace Bay	NSPC	1932	1966	Coal	S	2 4 1	6,000 15,000 36,000	108,000
3	Tufts Cove	Tufts Cove	NSLPC	1965	-	-	S	1	100,000	100,000
4	Trenton	Trenton	NSPC	1951	1959	Coal	S	2 2	10,000 20,000	60,000
5	Sydney	Sydney	DOSCO	1919	1943	Coal, oil, gas	S	1 2 1 1	7,600 3,000 5,000 16,000	34,600
6	Harrison Lake	Maccan	NSPC	1926	1949	Coal	S	1 1 1 1	15,000 6,000 1,500 4,000	26,500
7	Abercrombie Point	Abercrombie Point	SMP	1967	-			1	18,750	18,750
8	Port Hawkesbury	Point Tupper	NSP	1962	-	Coal	S	1	10,000	10,000
9	Brooklyn	Brooklyn	BMPC	1943	-	Oil, wood-waste	S	1	5,170	5,170
10	Dartmouth	Dartmouth	IOC	1965	-	Oil	S	1	3,750	3,750
11	King Street	Yarmouth	NSLPC	1937	1948	Oil	IC	1 1 2	320 400 600	1,920

Total capacity of plants 1,500 kw. and over (not listed above)

5,200

Total capacity of plants under 1,500 kw.

2,070

Total (all plants)

543,460

IC - Internal Combustion, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
Prince Edward Island										
1	Charlottetown	Charlottetown	MEC	1931	1963	Oil	S	1	1,500	70,500
								1	4,000	
								2	7,500	
								1	10,000	
								2	20,000	
2	Summerside	Summerside	MS	1940	1963	Oil	IC	1	200	6,890
								2	250	
								1	555	
								1	1,135	
								2	2,250	

Total capacity of plants 1,500 kw. and over (not listed above)

Total capacity of plants under 1,500 kw.

Total (all plants)

77,390

Newfoundland

1	St. John's	St. John's	NLPC	1957	1959	Oil	S	1 1	10,000 20,000	30,000
2	Salt Pond	Salt Pond	NLPC	1964	1968	Oil	IC	3 1	500 14,400	
3	Control Centre	Holyrood	NPC	1966	-	Gas	GT	1	14,150	14,150
4	Grand Falls	Grand Falls	PPP	1930	1931	Oil	S	2	5,000	10,000
5	Corner Brook	Corner Brook	BPC	1957	-	Oil	S	1	6,600	6,600
6	Tilt Cove	Tilt Cove	TCPC	1960	-	Oil	S	1	5,000	5,000
7	Wabush Lake	Wabush Lake	WM		1963	Oil	IC	4	1,000	4,000
8	Goose Bay	Goose Bay	DOT	1952	1959	Oil	IC	4 1	750 1,000	4,000
9	Labrador City	Carol Lake	IOCC			Oil				
10	Palmquist	Gander	DOT	1948	1962	Oil	IC	3	1,000	3,000
11	Happy Valley	Goose Bay	NLPC	1967	1967	Oil	IC	2 2	1,100 250	2,700
12	Port aux Basques	Port aux Basques	NLPC	1945	1964	Oil	IC	2 3 1 2 1	350 250 280 300 209	
13	St John's	St. John's	NLPC	1956	-	Oil	IC	1	2,500	2,500

Total capacity of plants 1,500 kw. and over (not listed above)

4,000

Total capacity of plants under 1,500 kw.

17,327

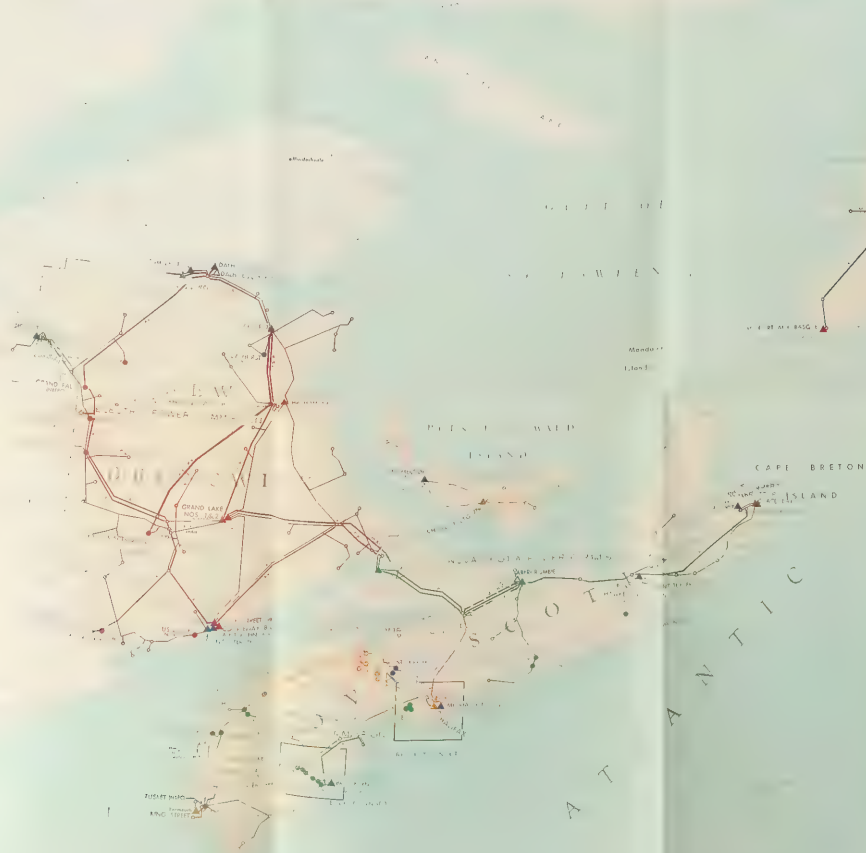
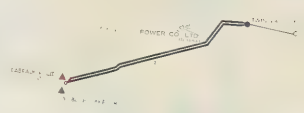
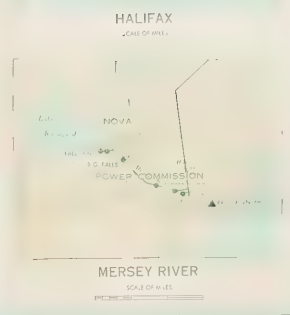
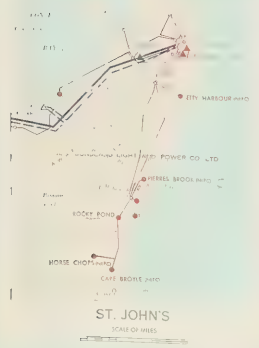
Total (all plants)

125,626

GT - Gas Turbine, IC - Internal Combustion, S - Steam

OWNER CODE INDEX

CODE	OWNER
ASR.....	Atlantic Sugar Refineries
ASRC.....	American Smelting and Refining Company Limited
BMPC.....	Bowaters Mersey Paper Company Limited
BPC.....	Bowater Power Company Limited
CB.....	Consolidated-Bathurst Limited
CC.....	City of Campbellton
DOSCO.....	Dominion Iron and Steel Company Limited
DOT.....	Department of Transport, Government of Canada
FC.....	Fraser Companies Limited
IOC.....	Imperial Oil Limited
IOCC.....	Iron Ore Company of Canada
IPP.....	Irving Pulp and Paper Limited
MBPP.....	Minas Basin Pulp and Power Company
ME.....	Municipality of Edmundston
MEC.....	Maritime Electric Company Limited
MNBP.....	Maine and New Brunswick Electrical Power Co. Ltd.
MS.....	Municipality of Summerside
NBEPC.....	New Brunswick Electric Power Commission
NBIPC.....	New Brunswick International Paper Company Limited
NLPC.....	Newfoundland Light and Power Co. Limited
NPC.....	Newfoundland and Labrador Power Commission
NSLPC.....	Nova Scotia Light and Power Company Limited
NSP.....	Nova Scotia Pulp Limited
NSPC.....	Nova Scotia Power Commission
PPP.....	Price (Nfld) Pulp and Paper Limited
SMP.....	Scott Maritimes Pulp Limited
TCPC.....	Tilt Cove Power Corporation
TFPC.....	Twin Falls Power Company Limited
WCPC.....	West Coast Power Company Limited
WM.....	Wabush Mines



ATLANTIC PROVINCES
MAIN ELECTRIC TRANSMISSION SYSTEMS
AND
PRINCIPAL POWER GENERATING DEVELOPMENTS

LEGEND

GENERATING STATIONS

TRANSMISSION LINES

OWNERSHIP

DECEMBER 1960



Inland Waters Branch

DEPARTMENT OF ENERGY, MINES AND RESOURCES
OTTAWA, CANADA

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydro-electric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt, in 1607. Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period 1550 to 1750, the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal; three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

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electric power in canada



map supplement
british columbia



**TRANSMISSION
AND
GENERATING FACILITIES**

**British Columbia • Yukon
and Northwest Territories**

**INLAND WATERS BRANCH
DEPARTMENT OF ENERGY, MINES AND RESOURCES**

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QUEEN'S PRINTER FOR CANADA
OTTAWA, 1969

Cat. No. M23-108/1968-5

HYDRO

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No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.

British Columbia

1	Kemano	Nechako to Kemano	ALCAN	1954	1967	2,500	4	150,000		97,600	
							4	150,000	1,200,000	105,600	812,800
2	Gordon M. Shrum	Peace	BCHPA	1968	1968		3	310,000	930,000	227,000	681,000
3	Waneta	Pend d'Oreille	CMSC	1954	1966	210	1	130,000		72,000	
							2	120,000		72,000	
							1	130,000	500,000	76,500	292,500
4	Bridge River No. 2	Bridge River	BCHPA	1959	1960	1,264	4	82,000	328,000	62,000	248,000
5	Bridge River No. 1	Bridge River	BCHPA	1948	1954	1,261	4	69,000	276,000	45,000	180,000
6	Cheakamus	Cheakamus	BCHPA	1957	1957	954	2	95,000	190,000	70,000	140,000
7	John Hart	Campbell	BCHPA	1947	1953	390	6	28,000	168,000	20,000	120,000
8	Brilliant	Kootenay	CMSC	1944	1968	90	3	37,000		27,200	
							1	40,000	151,000	27,200	108,800
9	Ruskin	Stave	BCHPA	1930	1950	123	3	47,000	141,000	35,200	105,600
10	Strathcona	Campbell	BCHPA	1958	1968	140	2	42,000	84,000	33,750	67,500
11	Wahleach	Wahleach Lake to Fraser	BCHPA	1952	-	1,880	1	82,000	82,000	60,000	60,000
12	Upper Bonnington	Kootenay	CMSC	1907	1940	70	2	8,000		5,062	
							2	9,000		6,750	
							2	26,000	86,000	15,750	55,124
13	Ladore Falls	Campbell	BCHPA	1956	1957	122	2	35,000	70,000	27,000	54,000
14	Stave Falls	Stave	BCHPA	1912	1925	110	4	13,000		10,500	
						113	1	15,000	67,000	10,500	52,500
15	Lake Buntzen No. 1	Lake Buntzen to Burrard Inlet	BCHPA	1951	-	380	1	70,000	70,000	50,000	50,000
16	South Slocan	Kootenay	CMSC	1928	1929	70	3	25,000	75,000	15,750	47,250
17	Lower Bonnington	Kootenay	WKPL	1925	1926	70	3	20,000	60,000	15,750	47,250
18	Seton	Seton Creek	BCHPA	1956	-	147	1	58,500	58,500	42,000	42,000
19	Corra Linn	Kootenay	CMSC	1932	1932	53	3	19,000	57,000	13,500	40,500
20	Whatshan	Whatshan	BCHPA	1951	1956	690	3	16,500	49,500	11,250	33,750

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
BRITISH COLUMBIA (Cont'd)											
21	Stillwater	Lois	MBPR	1930	1948	-	2	25,000	50,000	16,200	32,400
22	Clowhom Falls	Clowhom	BCHPA	1958	-	145	1	40,000	40,000	30,000	30,000
23	Puntledge	Puntledge	BCHPA	1955	-	340	1	35,000	35,000	27,000	27,000
24	Lake Buntzen No. 2	Lake Buntzen to Burrard Inlet	BCHPA	1913	1919	380	3	13,500	40,500	8,900	26,700
25	Jordan River	Jordan	BCHPA	1911	1931	1,010	2 1 1	5,430 10,125 18,000		3,200 8,000 12,000	
26	Ash River	Ash	BCHPA	1959	-	735	1	35,000	35,000	25,200	25,200
27	La Joie	Bridge	BCHPA	1957	-	176	1	30,000	30,000	22,000	22,000
28	Powell River	Powell	MBPR	1911	1926	157 147	1 1 2	13,500 3,600 3,000		12,000 3,750 2,800	
29	Ocean Falls	Link	CZC	1917	1932	143	2 2	2,100 6,300		1,900 4,200	
30	Elko	Elk	BCHPA	1923	1924	190	2	7,500	15,000	6,000	12,000
31	Falls River	Big Falls Creek	BCHPA	1930	1960	248	2	6,000	12,000	4,800	9,600
32	Nelson	Kootenay	CN	1907	1950	60 60 70 70	1 1 1 1	1,670 1,900 3,000 6,750		750 1,000 2,120 4,800	
33	Alouette	Alouette Lake to Stave Lake	BCHPA	1928	-	125.5	1	12,500	12,500	8,000	8,000
34	Walter Hardman	Cranberry Creek	COR	1960	1965	770	2	5,800	11,600	4,000	8,000
35	Shuswap Falls	Shuswap	BCHPA	1929	1942	72 82	1 1	3,800 4,000		2,400 2,800	
36	Aberfeldie	Bull	BCHPA	1922	1922	275	2	3,650	7,300	2,500	5,000
37	Beach	Britannia Creek Furry Creek	ACL	1916	1917	1,835 760	1 1	3,750 3,750		2,000 2,000	
38	Spillimacheen	Spillimacheen	BCHPA	1955	1955	207	2 1	1,200 3,000		900 2,200	
39	Tennent Creek	Tennent Creek	WM	1966	-	2,050	1	4,500	4,500	3,060	3,060
40	Woodfibre	Woodfibre Creek	RC	1947	-	920	1	3,650	3,650	2,250	2,250

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.

BRITISH COLUMBIA (Cont'd)

41	Port Alice	Victoria Lake to Neroutsos Inlet	RC	1953	-	425	1	3,200	3,200	2,000	2,000
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Total capacity of plants under 1,500 kw.	7,250	4,686
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Total capacity of turbines connected directly to mechanical equipment	46,210	
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Total (all plants)	5,109,615	3,538,290
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Yukon Territory

1	Whitehorse Rapids	Yukon	NCPC	1958	1958	61	2	7,500	15,000	5,695	11,390
2	Mayo River	Mayo	NCPC	1952	1957	110	2	3,000	6,000	2,550	5,100

Total capacity of plants under 1,500 kw.	2,140	1,650
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Total capacity of turbines connected directly to mechanical equipment		
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Total (all plants)	23,140	18,140
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Northwest Territories

1	Twin Gorges	Taltson	NCPC	1965	-	-	1	25,000	25,000	18,000	18,000
2	Snare Falls	Snare	NCPC	1960	-	63	1	9,200	9,200	7,000	7,000
3	Snare Rapids	Snare	NCPC	1948	-	56	1	8,350	8,350	7,000	7,000
4	Bluefish	Yellowknife	CMSC	1941	-	110	1	4,700	4,700	3,360	3,360

Total capacity of plants under 1,500 kw.	-	-
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Total capacity of turbines connected directly to mechanical equipment	-	-
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Total (all plants)	47,250	35,360
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THERMAL

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.

British Columbia

1	Burrard	Vancouver	BCHPA	1962	1967	Gas, oil	S	5	162,000	810,000
2	Port Mann	New Westminster	BCHPA	1959	1959	Oil	GT	4	25,000	100,000
3	Georgia	Chemainus	BCHPA	1958	1959	Oil	GT	2	19,750	75,500
								2	18,000	
4	Powell River	Powell River	MBPR	1948	1967	Wood-waste, oil	S	1	1,350	50,925
								1	1,200	
								1	10,500	
								1	1,875	
								1	36,000	
5	Watson Island	Watson Island	CCC	1950	1966	Oil, wood-waste	S	2	7,500	49,600
								1	34,600	
6	Harmac	Nanaimo	MBPR	1954	1963	Oil, wood-waste	S	1	31,500	36,750
								1	4,000	
								1	1,250	
7	Tide Lake	Tide Lake	GOC					2	15,000	30,000
8	Somass Mill	Port Alberni	MBPR	1963	-	Wood-waste	S	1	26,000	26,000
9	Chetwynd	Chetwynd	BCHPA	1958	1968	Oil	IC	2	600	25,000
								1	800	
								1	1,000	
								4	3,000	
								2	5,000	
10	Dawson Creek	Dawson Creek	BCHPA	1953	1963	Gas, oil	IC	2	1,000	20,000
								6	3,000	
11	Port Alice	Port Alice	RC	1942	1957	Oil, wood-waste	S	1	3,200	16,200
								2	3,500	
								1	6,000	
12	Prince George	Prince George	BCHPA	1957	1963	Oil	IC	5	3,000	15,000
13	Ocean Falls	Ocean Falls	CZC	1930	1950	Oil, wood-waste	S	1	3,000	14,000
								1	2,000	
								1	4,000	
								1	5,000	
14	New Westminster	New Westminster	CZB	1912	1950	Wood-waste	S	1	5,000	12,500
								1	1,500	
								1	6,000	
15	Eburne Sawmills	Vancouver	CFP	1960	1960	Wood-waste	S	2	5,750	11,500
16	Dry Dock	Prince Rupert	BCHPA	1950	1967	Oil	IC	3	799	11,401
								1	1,970	
								1	2,034	
								1	5,000	
17	Mica Creek	Mica	BCHPA	1965	1965	Oil	IC	1	675	11,175
								2	1,000	
								1	2,500	
								2	3,000	

GT - Gas Turbine, IC - Internal Combustion, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
18	Tasu	Tasu	WFM	1967	1967		IC	5	2,210	11,050
19	Youbou	Youbou	BCFP	1929	1967	Wood-waste	S	1 2 1 1	800 750 2,000 5,000	9,300
20	Tahsis	Tahsis	TCL	1956	1960	Coal	S	1 1	5,000 3,000	8,000
21	McMahon	Taylor	PP	1957	1957	Gas	S	3	2,500	7,500
22	Golden	Golden	KHFP	1966	-	Coal		1	7,500	7,500
23	Kelowna	Kelowna	SMS	1950	1963	Wood-waste, oil, coal	S	1 1 1 1	750 2,000 3,500 1,000	7,250
24	Woodfibre	Woodfibre	RC	1948	1961	Oil, wood-waste	S	2 1	2,000 3,000	7,000
25	Smithers	Smithers	BCHPA	1951	1965	Oil	IC	2 1 2 1	560 760 1,000 3,000	6,880
26	Port Moody	Port Moody	WCL	1958	1965	Coal	S	1 1	3,500 3,000	6,500
27	Kitimat	Kitimat	ALCAN	1954	1955	Oil	IC	5	1,000	5,000
28	Port Mellon	Port Mellon	CFP	1928	1947	Oil	S	1 1 1	500 1,500 3,000	5,000
29	Cassiar	Cassiar	CAC	1952	1966	Oil	IC	3 2 1 1 1 1	300 350 450 650 900 1,200	4,800
30	Vancouver	Vancouver	MBPR	1949	1956	Wood-waste	S	1 1	750 4,000	4,750
31	Kimberley (Stand-by)	Kimberley	CMSC	1927	1928	Coal	S	3	1,500	4,500
32	Victoria	Victoria	BCFP	1940	1950	Wood-waste	S	1 1	3,000 1,500	4,500
33	Giscome	Giscome	ELS	1951	1956	Wood-waste oil	S IC	1 1 1	1,500 2,400 300	4,200
34	Burns Lake	Burns Lake	BCHPA	1954	1965	Oil	IC	1 4 2	800 250 1,136	4,072
35	Elk Falls	Campbell River	EFC	1964	1965	Wood-waste	S	1 1	3,255 800	4,055

IC - Internal Combustion, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
BRITISH COLUMBIA (Cont'd)										
36	Hammond	Hammond	BCFP	1928	1929	Wood-waste	S	2	2,000	4,000
37	Chemainus	Chemainus	MBPR	1925	1950	Wood-waste	S	1 1	3,000 750	3,750
38	Vancouver	Vancouver	BCSRC	1947	1960	Gas, oil	S	3	1,250	3,750
39	Jedway	Jedway	JIOC	-	-	Oil	IC	3 1	1,000 225	3,225
40	Fort Nelson	Fort Nelson	BCHPA	1960	1960	Oil, gas	IC	1 1 1 1 1	1,200 600 261 100 1,000	3,161
41	Golden	Golden	BCHPA	1968	1968	Oil	IC	2	1,500	3,000
42	Honeymoon Bay	Honeymoon Bay	WFI	1949	1961	Oil	S	1 1	1,000 1,760	2,760
43	Port Hardy	Port Hardy	BCHPA	1959	1965	Oil	IC	1 1 2 1	600 500 300 1,000	2,700
44	Celgar Pulp Mill	Celgar Pulp Mill	CCC	1963	-		S	1	2,500	2,500
45	Mesachie Lake	Mesachie Lake	HLC	1943	1949	Wood-waste	S	1 1	1,600 750	2,350
46	Tide Camp	Stewart	GM	1965	1967	Oil	IC	3 2	500 400	2,300
47	Endako	Endako	EM	1964	1964	Oil	IC	1 1	1,250 1,000	2,250
48	Hazelton	Hazelton	BCHPA	1965	1965	Oil	IC	3 2 1	200 600 250	2,050
49	Revelstoke	Revelstoke	COR	1926	1954	Oil	IC	2 1 1	300 400 1,000	2,000
50	Hazelton	Hazelton	HSL	1963	1965	Oil	IC	1 1	1,500 350	1,850
51	McBride	McBride	BCHPA	1951	1957	Oil, gas	IC	3	600	1,800
52	Sandspit	Queen Charlotte Islands	BCHPA	1962	1966	Oil	IC	2 1	600 500	1,700
53	Zeballos Mines	Zeballos Mines	ZIM	1962	1964	Oil	IC	2 1	300 1,000	1,600
54	Bella Coola	Bella Coola	BCHPA	1955	1968	Oil	IC	1 2 1 1 1 1	96 100 150 261 350 500	1,557
55	Valemount	Valemount	BCHPA	1962	1966	Oil	IC	3 1	350 500	1,550

IC - Internal Combustion, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
BRITISH COLUMBIA (Cont'd)										
56	Prince George	Prince George	NP	1967	-			1	1,500	1,500
Total capacity of plants 1,500 kw. and over (not listed above)										7,500
Total capacity of plants under 1,500 kw.										35,150
Total (all plants)										1,521,411

Northwest Territories

1	Inuvik	Inuvik	NCPC	1957	1967	Oil	IC	2	375	4,460
								1	150	
								1	960	
								2	1,000	
							S	1	600	3,960
2	Frobisher Bay	Frobisher Bay	NCPC	1963	1966	Oil	IC	1	1,000	
								1	960	
								1	500	
							GT	1	1,500	
3	Port Radium	Port Radium	EM	1936	1953	Oil	IC	2	150	3,639
								1	864	
								2	650	
								2	400	
								1	175	
								1	200	
4	Hay River	Hay River	NU	1959	1967	Oil	IC	2	350	2,850
								1	650	
								3	500	
5	Fort Smith	Fort Smith	NCPC	1956	1962	Oil	IC	1	280	2,232
								1	600	
								1	392	
								1	960	
6	Tungsten	Tungsten	CTMC	1962	1962	Oil	IC	3	500	1,500
Total capacity of plants 1,500 kw. and over (not listed above)										
Total capacity of plants under 1,500 kw.										12,600
Total (all plants)										31,241

Yukon Territory

1	Whitehorse	Whitehorse	NCPC	1968	1968	Oil	IC	1	5,150	9,070
								1	3,920	
2	Whitehorse	Whitehorse	YEC	-	1968					1,800
Total capacity of plants 1,500 kw. and over										
Total capacity of plants under 1,500 kw.										5,840
Total (all plants)										16,710

IC - Internal Combustion, S - Steam

OWNER CODE INDEX

CODE	OWNER
ACL.....	Anaconda Company (Canada) Limited
ALCAN.....	Aluminum Company of Canada Limited
BCFP.....	British Columbia Forest Products Limited
BCHPA.....	British Columbia Hydro and Power Authority
BCSRC.....	British Columbia Sugar Refining Company Limited
CAC.....	Cassiar Asbestos Corporation Limited
CCC.....	Columbia Cellulose Company Limited
CFP.....	Canadian Forest Products Limited
CMSC.....	Cominco Limited
CN.....	City of Nelson
COR.....	City of Revelstoke
CTMC.....	Canada Tungsten Mining Corporation Limited
CZB.....	Crown Zellerbach Building Materials Limited
CZC.....	Crown Zellerbach Canada Limited
EFC.....	Elk Falls Company Limited
ELS.....	Eagle Lake Sawmills Company Limited
EM.....	Endako Mines Limited
EMR.....	Eldorado Mining and Refining Limited
GM.....	Granduc Mines Limited
HLC.....	Hillcrest Lumber Company Limited
HSL.....	Hazelton Sawmills Limited
JIOC.....	Jedway Iron Ore Company Limited
KHFP.....	Kicking Horse Forest Products Limited
MBPR.....	MacMillan Bloedel and Powell River Limited
NCPC.....	Northern Canada Power Commission
NP.....	Northwood Pulp Company
PP.....	Pacific Petroleum Company Limited (now West Coast Transmission Company)
RC.....	Rayonier Canada (BC) Limited
SMS.....	S. M. Simpson Limited
TCL.....	Tahsis Company Limited
WCL.....	Weldwood of Canada Limited
WFI.....	Western Forest Industries Limited
WFM.....	Wesfrob Mines Limited
WKPL.....	West Kootenay Power and Light Company Limited
WM.....	Western Mines Limited
YEC.....	Yukon Electrical Company Limited
ZIM.....	Zeballos Iron Mines Limited



Inland Waters Branch

DEPARTMENT OF ENERGY, MINES AND RESOURCES
OTTAWA, CANADA

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydro-electric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt, in 1607. Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period 1550 to 1750, the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal; three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

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TRANSMISSION
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INLAND WATERS BRANCH
DEPARTMENT OF ENERGY, MINES AND RESOURCES

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QUEEN'S PRINTER FOR CANADA
OTTAWA, 1969

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HYDRO

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Sir Adam Beck-Niagara Generating Station No. 1	Niagara	HEPCO	1922	1930	305	5	55,000		36,000	
						294	2	58,000		43,200	
						294	1	58,000		44,000	
						294	2	58,000	565,000	46,750	403,900
	Generating Station No. 2			1954	1958	292	16	105,000	1,680,000	76,475	1,223,600
	Pumping-Generating Station			1957	1958	85	6	46,000	276,000	29,450	176,700
2	Robert H. Saunders - St. Lawrence	St. Lawrence	HEPCO	1958	1959	81	16	75,000	1,200,000	57,000	912,000
3	Des Joachims	Ottawa	HEPCO	1950	1951	130	8	62,000	496,000	45,000	360,000
4	Abitibi Canyon	Abitibi	HEPCO	1933	1959	237	3	66,000		41,225	
							2	66,000	330,000	43,200	210,075
5	Otto Holden	Ottawa	HEPCO	1952	1953	77	4	35,000		25,650	
							4	33,000	272,000	25,650	205,200
6	Otter Rapids	Abitibi	HEPCO	1961	1963	107	4	60,000	240,000	43,700	174,800
7	Barrett Chute	Madawaska	HEPCO	1942	1942	150	2	28,000		20,400	
							2	84,000	224,000	55,800	152,400
8	Mountain Chute	Madawaska	HEPCO	1967	1967	151	2	112,000	224,000	69,750	139,500
9	Harmon	Mattagami	HEPCO	1965	1965	101	2	94,000	188,000	64,600	129,200
10	Pine Portage	Nipigon	HEPCO	1950	1954	105	2	41,000		29,700	
							2	45,000	172,000	34,650	128,700
11	Kipling	Mattagami	HEPCO	1966	1966	102	2	94,000	188,000	62,700	125,400
12	Chenau	Ottawa	HEPCO	1950	1951	40	8	21,000	168,000	15,300	122,400
13	Little Long	Mattagami	HEPCO	1963	1963	90	2	84,000	168,000	60,800	121,600
14	DeCew Falls No. 2	Welland Canal	HEPCO	1943	1947	280	2	75,000	150,000	57,600	115,200
15	Ontario Power	Niagara	HEPCO	1905	1919	-	3	11,700		7,500	
							4	11,700		8,770	
							5	13,400	148,900	8,775	101,455
16	Rankine	Niagara	CNPC	1904	1924	133	5	10,000		7,500	
							2	12,500		9,375	
							3	10,750		9,375	
							1	12,000	119,250	10,300	94,675
17	Toronto Power	Niagara	HEPCO	1906	1915	-	7	15,000		9,000	
							4	13,000	157,000	7,200	91,800
18	Chats Falls	Ottawa	HEPCO	1931	1931	53	4	28,000	112,000	22,325	89,300
19	Caribou Falls	English	HEPCO	1958	1958	58	3	34,000	102,000	25,650	76,950

Ontario

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
ONTARIO (Cont'd)											
20	Cameron Falls	Nipigon	HEPCO	1920	1958	72 72 73	2 4 1	12,500 12,500 25,000	100,000	9,540 8,480 19,000	72,000
21	Manitou Falls	English	HEPCO	1956	1958	54	5	18,500	92,500	14,400	72,000
22	Alexander	Nipigon	HEPCO	1930	1958	60 58	3 2	18,000 19,000	92,000	12,750 13,500	65,250
23	Whitedog Falls	Winnipeg	HEPCO	1958	1958	50	3	27,000	81,000	21,600	64,800
24	Stewartville	Madawaska	HEPCO	1948	1948	148	3	28,000	84,000	20,400	61,200
25	Smoky Falls	Mattagami	SFPPC	1928	1931	113	4	18,750	75,000	13,200	52,800
26	Silver Falls	Kaministikwia	HEPCO	1959	-	330	1	60,000	60,000	45,000	45,000
27	Geo. W. Rayner	Mississagi	HEPCO	1950	1950	210	2	29,000	58,000	21,150	42,300
28	Upper Falls	Montreal	GLPC	1937	1957	232	2 1	12,600 31,000	56,200	9,000 22,500	40,500
29	Aguasabon	Aguasabon	HEPCO	1948	1948	290	2	27,500	55,000	20,250	40,500
30	Red Rock Falls	Mississagi	HEPCO	1960	1961	93	2	26,500	53,000	20,250	40,500
31	Island Falls	Abitibi	APPC	1924	1925	63	4	12,000	48,000	9,600	38,400
32	DeCew Falls No. 1	Welland Canal	HEPCO	1901	1913	-	1 1 2 1 1	6,000 6,000 6,000 6,000 6,000	36,000	4,800 5,000 5,300 5,600 5,900	31,900
33	Kakabeka Falls	Kaministikwia	HEPCO	1906	1914	178	3 1	7,500 12,500	35,000	5,400 7,970	24,170
34	High Falls	Michipicoten	GLPC	1930	1950	147	2 1	11,000 13,200	35,200	6,750 9,675	23,175
35	Big Eddy	Spanish	HCL	1929	1929	90	3	9,400	28,200	7,200	21,600
36	Sault Ste. Marie	St. Mary	GLPC	1918	1931	18.5	24 3 1	900 2,400 2,200	31,000	650 1,440 1,600	21,520
37	Iroquois Falls	Abitibi Lake & Black River	APPC	1949	1949	43	1 1 1 6 5	1,800 1,800 2,200 2,200 2,400	31,000	1,200 1,280 1,200 1,280 2,025	21,485
38	Twin Falls	Abitibi	APPC	1921	1925	57.5	5	6,000	30,000	4,050	20,250
39	Gartshore	Montreal	GLPC	1958	-	112	1	30,300	30,300	20,000	20,000

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
ONTARIO (Cont'd)											
40	Hollingsworth Falls	Michipicoten	GLPC	1959	-	108	1	30,300	30,300	20,000	20,000
41	Ear Falls	English	HEPCO	1930	1948	36	1 1 2	5,000 5,000 7,500	25,000	4,000 3,825 5,400	18,625
42	High Falls	Spanish	HCL	1905	1966	85	4 1	4,000 7,500	23,500	3,000 5,550	17,550
43	Norman	Winnipeg (West Branch)	OMPP	1925	1925	22	5	3,400	17,000	3,300	16,500
44	Lower Falls	Montreal	GLPC	1938	1942	185	2	10,900	21,800	8,100	16,200
45	Hogg	Montreal	GLPC	1965	-	77	1	21,750	21,750	15,000	15,000
46	Espanola	Spanish	KVPC	1906	1946	64	4 1 1	1,675 10,000 2,350	19,050	1,250 7,500 1,750	14,250
47	Scott Falls	Michipicoten	GLPC	1952	1952	70	2	10,000	20,000	6,800	13,600
48	Fort Frances	Rainy	OMPP	1955	1955	28	8	2,000	16,000	1,600	12,800
49	Welland Canal	Welland Canal	STLSA	1932	1932	160	3	5,000	15,000	4,000	12,000
50	Wawaitin	Mattagami	HEPCO	1912	1918	125	2 2	3,450 4,000	14,900	2,500 3,375	11,750
51	Kenora	Winnipeg	OMPP	1923	1924	22	4 6	1,200 1,200	12,000	1,000 1,250	11,500
52	Heely Falls	Trent	HEPCO	1913	1919	73	2 1	5,600 5,600	16,800	3,750 3,000	10,500
53	McPhail Falls	Michipicoten	GLPC	1954	1954	48	2	7,500	15,000	5,000	10,000
54	Upper Notch	Montreal	HEPCO	1930	1930	48	2	6,500	13,000	4,800	9,600
55	Calm Lake	Seine	OMPP	1928	1928	82	2	6,400	12,800	4,675	9,350
56	Sturgeon Falls	Sturgeon	APPC	1902	1964	40.5	1 1 1 1 1 1	2,500 1,000 1,500 1,500 1,500 1,000	9,000	1,800 1,685 1,350 1,685 1,415 1,415	9,350
57	Eddy	Ottawa	EBEC	1909	1912	38	2 1	4,650 4,650	13,950	3,000 3,300	9,300
58	Crystal Falls	Sturgeon	HEPCO	1921	1921	33	4	2,600	10,400	2,020	8,080
59	Ranney Falls	Trent	HEPCO	1922	1926	-	1 2	1,000 5,000	11,000	720 3,600	7,920
60	Chaudière Falls No. 4	Ottawa	OHEC	1931	1931	38	2	5,400	10,800	3,960	7,920

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
ONTARIO (Cont'd)											
61	Big Eddy	Muskoka	HEPCO	1941	1941	38	2	5,280	10,560	3,825	7,650
62	Ragged Rapids	Muskoka	HEPCO	1938	1938	38	2	5,200	10,400	3,825	7,650
63	Sturgeon Falls	Seine	OMPP	1927	1927	64	2	5,000	10,000	3,825	7,650
64	Matabitchuan	Matabitchuan	HEPCO	1910	1910	305	4	3,300	13,200	1,690	6,760
65	Swift Rapids	Severn	OWLP	1916	1966	47	1 2	2,120 3,500	 9,120	1,350 2,700	 6,750
66	Lower Sturgeon	Mattagami	HEPCO	1923	1923	42	2	4,000	8,000	3,200	6,400
67	Smooth Rock	Mattagami	APPC	1916	1916	45	2	4,500	9,000	3,125	6,250
68	Eugenia	Beaver	HEPCO	1915	1920	550	2 1	2,250 4,000	 8,500	1,200 2,400	 4,800
69	Meyersburg	Trent	HEPCO	1924	1924	32	3	2,200	6,600	1,600	4,800
70	Nairn	Spanish	HCL	1917	1919	30	3	2,600	7,800	1,500	4,500
71	Chaudière Falls No. 2	Ottawa	OHEC	1909	1936	40	3	2,300	6,900	1,462	4,386
72	Peterborough	Otonabee	PHPC	1902	1950	27	1 1 1	2,300 2,550 2,140	 6,990	1,200 1,500 1,400	 4,100
73	Coniston	Wanapitei	HEPCO	1905	1915	53	1 1 1	1,200 1,600 3,500	 6,300	720 1,125 2,250	 4,095
74	Stinson	Wanapitei	HEPCO	1925	1925	-	2	3,500	7,000	2,000	4,000
75	Calabogie	Madawaska	HEPCO	1917	1917	30	2	3,000	6,000	2,000	4,000
76	Big Chute	Severn	HEPCO	1911	1919	56	3 1	1,300 2,300	 6,200	900 1,280	 3,980
77	South Falls	South Muskoka	HEPCO	1916	1925	107	1 2	1,000 2,200	 5,400	635 1,600	 3,835
78	Wabagishik	Vermilion	HCL	1912	1935	70	1 1	2,700 2,700	 5,400	1,600 2,140	 3,740
79	Minden	Gull	OWLP	1935	1935	66	2	2,600	5,200	1,800	3,600
80	Sandy Falls	Mattagami	HEPCO	1911	1916	32 34	2 1	1,200 2,500	 4,900	950 1,595	 3,495
81	Hagues Reach	Trent	HEPCO	1925	1925	22.5	3	1,600	4,800	1,120	3,360
82	Indian Chute	Montreal	HEPCO	1923	1924	45	2	2,250	4,500	1,620	3,240
83	Sidney	Trent	HEPCO	1911	1911	20	4	1,400	5,600	795	3,180

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.

ONTARIO (Cont'd)

84	Seymour	Trent	HEPCO	1909	1911	23	4	1,100		600	
							1	1,100	5,500	750	3,150
85	Mathias	Muskoka	OWLP	1950	-	43	1	3,770	3,770	2,812	2,812
86	Hound Chute	Montreal	HEPCO	1910	1911	-	4	1,335	5,340	700	2,800
87	Kapuskasing	Kapuskasing	SFPPC	1923	-	30	1	2,500	2,500	2,750	2,750
88	Frankford	Trent	HEPCO	1913	1913	18	4	1,200	4,800	650	2,600
89	Jones Falls	Rideau Canal	GELW	1948	1950	65	1	250		180	
						58	2	1,037		800	
							1	1,500	3,824	800	2,580
90	Sills Island	Trent	HEPCO	1926	1926	14	1	1,000		1,275	
							1	1,000	2,000	1,020	2,295
91	McVittie	Wanapitei	HEPCO	1912	1912	42	2	1,800	3,600	1,125	2,250
92	Nassau	Otonabee	CGEC	1902	1926	16	1	1,600		1,500	
							2	700	3,000	360	2,220
93	High Falls	Mississippi	HEPCO	1920	1920	82	3	1,240	3,720	700	2,100
94	Nipissing	South	HEPCO	1909	1909	-	1	1,250		1,000	
							1	1,250	2,500	1,050	2,050
95	Lakefield	Otonabee	HEPCO	1928	-	16	1	3,100	3,100	2,000	2,000
96	Fountain Falls	Montreal	HEPCO	1914	1914	30	2	1,500	3,000	1,000	2,000
97	Rideau Falls	Rideau	DPW	1909	1909	47	2	1,500	3,000	1,000	2,000
98	Crow Bay	Trent Canal	CPUC	1909	1911	-	1	1,470		1,125	
							1	1,000	2,470	850	1,975
99	Auburn	Otonabee	HEPCO	1911	1912	18	3	950	2,850	625	1,875
100	Current River	Current	PAPUC	1902	1906	80	2	450		350	
							1	1,200	2,100	1,100	1,800
101	Eagle	Eagle	DPC	1928	-	37	1	2,000	2,000	1,760	1,760
102	Trethewey Falls	South Muskoka	HEPCO	1929	-	35	1	2,300	2,300	1,600	1,600

Total capacity of plants under 1,500 kw.

30,086

21,244

Total capacity of turbines connected directly to mechanical equipment

27,375

Total (all plants)

8,927,805

6,412,082

THERMAL

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
Ontario										
1	Lakeview	Toronto	HEPCO	1961	1966	Coal	S	8	300,000	2,430,000
						Oil	CT	4	7,500	
2	Richard L. Hearn	Toronto	HEPCO	1951	1966	Coal	S	4	100,000	1,230,000
								4	200,000	
						Oil	CT	4	7,500	
3	J. Clark Keith	Windsor	HEPCO	1951	1967	Coal	S	4	66,000	271,500
						Oil	CT	1	7,500	
4	Douglas Point	Kincardine	HEPCO	1966	-	Uranium dioxide	S	1	200,000	200,000
5	Thunder Bay	Fort William	HEPCO	1963	-	Coal	S	1	100,000	128,300
							CT	2	14,150	
6	Detweiler	Kitchener	HEPCO	1967	1967	Oil	CT	4	16,320	65,280
7	A. W. Manby	Toronto	HEPCO	1965	1966	Oil	CT	4	16,320	65,280
8	Windsor	Windsor	FMCC	1936	1952	Coal	S	1	10,000	64,000
								1	4,000	
								2	25,000	
9	Sarnia-Scott	Sarnia	HEPCO	1965	1966	Oil	CT	2	15,000	62,640
								2	16,320	
10	Sarnia	Sarnia	PC	1943	1956	Coal, oil	S	1	10,000	32,280
								1	5,000	
								1	4,000	
								1	13,200	
11	Lambton	Sarnia	HEPCO	1967	1967	Oil	CT	4	7,500	30,000
12	Sault Ste. Marie	Sault Ste. Marie	ASC	1942	1963	Gas, oil coal	S	2	12,500	26,250
								2	625	
13	Fort William	Fort William	GLPAC	1928	-	Gas, coal, wood-waste	S	1	4,000	26,100
								1	5,000	
								1	17,100	
14	Kapuskasing	Kapuskasing	SFPPC	1928	1958	Coal, gas, wood-waste	S	2	650	22,900
								1	12,500	
								1	9,100	
15	Nuclear Power Demonstration Unit	Rolphton	AECL	1962	-	Uranium dioxide	S	1	20,000	20,000
16	Marathon	Marathon	ACC	1946	1948	Coal, oil	S	1	7,500	15,500
								2	4,000	
17	Amherstburg	Amherstburg	ACCL	1938	1957	Coal	S	1	2,500	10,950
								1	4,700	
								1	3,750	
18	Hamilton	Hamilton	SCC	1948	1959	Coke oven gas, oil	S	1	4,000	10,000
								1	6,000	

CT - Combustion Turbine, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
ONTARIO (Cont'd)										
19	Thorold	Thorold	OPC	1937	1937	Coal, gas	S	2	4,000	8,000
20	Dryden	Dryden	DPC	1954	-	Coal, gas	S	1	6,000	6,000
21	Sation No. 6	Gananoque	GELW	1959	1967	Gas	IC	2 1 1	1,360 1,200 1,250	5,170
22	Walkerville	Walkerville	HWS	1924	1955	Coal	S	2 1 1	1,000 2,500 625	5,125
23	Strathcona	Strathcona	SP	1955	1955	Coal	S	2	1,655	3,310
24	Chatham	Chatham	CDSC	1946	1946	Coal	S	2	1,500	3,000
25	Fort Frances	Fort Frances	OMPP	1927	-	Coal	S	1	3,000	3,000
26	Blind River	Blind River	MFLG	1927	1927	Wood-waste	S	1 1	750 2,000	2,750
27	Toronto	Toronto	CDSC	1959	-	Coal, gas, oil	S	1	2,500	2,500
28	Toronto	Toronto	CCCC	1937	-	Coal, oil	S	1	2,500	2,500
29	Ottawa	Ottawa	EBEC	1923	-	Coal	S	1	2,500	2,500
30	Port Arthur	Port Arthur	APPC	1928	-	Coal, wood-waste, gas	S	1	2,500	2,500
31	New Toronto	New Toronto	GTR	1940	-	Coal, oil	S	1	2,500	2,500
32	Pembroke	Pembroke	PELC	1929	1949	Oil	IC	1 2	933 671	2,275
33	Orillia	Orillia	OWLP	1947	1948	Oil	IC	1 1	1,000 1,136	2,136
34	Cardinal	Cardinal	CSC	1945	1964	Oil	IC	3 1 1	320 640 500	2,100
35	Peterborough	Peterborough	CGEC	1930	1949	Coal	S	1	2,000	2,000
36	Espanola	Espanola	KVPC	1947	1951	Coal	S	1	2,000	2,000
Total capacity of plants 1,500 kw. and over (not listed above)										99,250
Total capacity of plants under 1,500 kw.										10,500
Total (all plants)										4,880,096

IC - Internal Combustion, S - Steam

OWNER CODE INDEX

CODE	OWNER
ACC.....	American Can of Canada Limited
ACCL.....	Allied Chemical Canada Limited
AECL.....	Atomic Energy of Canada Limited
APPC.....	Abitibi Power and Paper Company Limited
ASC.....	Algoma Steel Corporation Limited
CCCC.....	Continental Can Company of Canada Limited
CDSC.....	Canada and Dominion Sugar Company Limited
CGEC.....	Canadian General Electric Company Limited
CNPC.....	Canadian Niagara Power Company Limited
CPUC.....	Campbellford Public Utilities Commission
CSC.....	Canada Starch Company Limited
DPC.....	Dryden Paper Company Limited
DPW.....	Department of Public Works, Government of Canada
EBEC.....	E. B. Eddy Company
FMCC.....	Ford Motor Company of Canada Limited
GELW.....	Gananoque Electric Light and Water Supply Co. Ltd.
GLPAC.....	Great Lakes Paper Company
GLPC.....	Great Lakes Power Corporation Limited
GTR.....	Goodyear Tire and Rubber Company Limited
HCL.....	Huronian Company Limited
HEPCO.....	Hydro-Electric Power Commission of Ontario
HWS.....	Hiram Walker and Sons Limited
KVPC.....	Kalamazoo Vegetable Parchment Company Limited
MFLC.....	McFadden Lumber Co. (Domtar)
OHEC.....	Ottawa Hydro-Electric Commission
OMPP.....	Ontario-Minnesota Pulp and Paper Company Limited
OPC.....	Ontario Paper Company
OWLP.....	Orillia Water Light and Power Commission
PAPUC.....	Port Arthur Public Utilities Commission
PC.....	Polymer Corporation
PELC.....	Pembroke Electric Light Company Limited
PHPC.....	Peterborough Hydraulic Power Company
SCC.....	Steel Company of Canada Limited
SFPPC.....	Spruce Falls Power and Paper Company
SP.....	Strathcona Paper Company Limited
STLSA.....	St. Lawrence Seaway Authority

DEPARTMENT OF ENERGY, MINES AND RESOURCES
INLAND WATERS BRANCH
OTTAWA

ONTARIO MAIN ELECTRIC TRANSMISSION SYSTEMS AND PRINCIPAL POWER GENERATING DEVELOPMENTS

SCALE OF MILES
0 20 40 60 80

LEGEND

EXISTING



UNDER CONSTRUCTION



GENERATING STATIONS

Hydro-electric } Stations less than 1000 kw omitted
Thermal-electric } Stations above 1000 kw omitted
Sub-station } Stations above 1000 kw omitted

TRANSMISSION LINES Nominal operating voltages indicated in kilovolts
(2-33/110-kv line number represents number of circuits)
in case that are the actual operating voltage
the first design or measured voltage

230 kv circuit } unless otherwise noted
115 kv circuit }
69 kv circuit } lower voltage to ground is indicated
Frequency other than 60 cycle
Underground and submarine cable
Connection between companies

OWNERSHIP

Colors generally designate major independent companies or associate groups. The same colour in different sections of the map may not indicate common ownership or control

DECEMBER 1960





Inland Waters Branch

**DEPARTMENT OF ENERGY, MINES AND RESOURCES
OTTAWA, CANADA**

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydro-electric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt, in 1607. Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period 1550 to 1750, the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal; three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

CAI MT 51

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electric power in canada



map supplement
prairie provinces



**TRANSMISSION
AND
GENERATING FACILITIES**

Prairie Provinces

**INLAND WATERS BRANCH
DEPARTMENT OF ENERGY, MINES AND RESOURCES**

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QUEEN'S PRINTER FOR CANADA
OTTAWA, 1969

Cat. No. M23-108/1968-4

HYDRO

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.

Alberta

1	Big Bend	Brazeau	CP	1965	1967	386	1	210,000		144,000	
							1	250,000	460,000	161,500	305,500
2	Spray	Spray Diver-sion	CP	1951	1960	875	2	62,000	124,000	40,400	80,800
3	Rundle	Spray Diver-sion	CP	1951	1960	318	1	23,000		17,000	
						317	1	40,000	63,000	29,750	46,750
4	Ghost	Bow	CP	1929	1954	105	2	18,000		12,750	
						92	1	30,000	66,000	21,150	46,650
5	Cascade	Cascade	CP	1942	1957	320	2	23,000	46,000	17,000	34,000
6	Pumping-Generating Station	Brazeau	CP	1965	-	-	2	12,850	25,700	9,720	19,440
7	Horseshoe	Bow	CP	1953	1955	72	2	4,680		3,375	
							2	7,500	24,360	5,625	18,000
8	Kananaskis	Bow	CP	1913	1951	68	2	6,000		3,400	
						70		12,000	24,000	9,560	16,360
9	Bearspaw	Bow	CP	1954	-	48	1	20,750	20,750	15,300	15,300
10	Pocaterra	Kananaskis	CP	1955	-	185	1	18,400	18,400	13,500	13,500
11	Barrier	Kananaskis	CP	1947	-	135	1	13,500	13,500	9,560	9,560
12	Interlakes	Kananaskis	CP	1955	-	98	1	6,900	6,900	5,040	5,040
13	Three Sisters	Spray Diver-sion	CP	1951	-	50	1	3,600	3,600	3,400	3,400

Total capacity of plants under 1,500 kw.

1,843

1,400

Total capacity of turbines connected directly to mechanical equipment

Total (all plants)

898,053

616,200

Saskatchewan

1	Squaw Rapids	Saskatchewan	SPC	1963	1966	105	6	46,000		33,500	
							2	53,000	382,000	38,700	278,400
2	Coteau Creek	South Saskat-chewan	SPC	1968	1968		3	84,000	252,000	62,200	186,600
3	Island Falls	Churchill	CRPC	1930	1959	56	3	16,500		11,880	
							3	19,000		18,000	
							1	19,000	125,500	17,100	106,740
4	Waterloo Lake	Charlot	EN	1961	-	63	1	10,000	10,000	7,500	7,500

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.

SASKATCHEWAN (Cont'd)

5	Wellington Lake	Charlot	EN	1939	1960	70	2	3,300	6,600	2,400	4,800
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Total capacity of plants under 1,500 kw.

Total capacity of turbines connected directly to mechanical equipment

Total (all plants)	776,100	584,040
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Manitoba

1	Grand Rapids	Saskatchewan	MH	1965	1968	-	4	150,000	600,000	109,250	437,000
2	Kelsey	Nelson	MH	1960	1961	50	5	42,000	210,000	33,750	168,750
3	Seven Sisters	Winnipeg	MH	1931	1952	66	6	33,330	200,000	25,000	150,000
4	Great Falls	Winnipeg	MH	1923	1928	58	6	31,000	186,000	22,000	132,000
5	Pine Falls	Winnipeg	MH	1951	1952	37	6	19,000	114,000	13,950	83,700
6	Slave Falls	Winnipeg	WH	1931	1948	30	8	12,000	96,000	9,000	72,000
7	Pointe du Bois	Winnipeg	WH	1911	1925	45	5	5,200		3,000	
							3	6,800		4,000	
							3	6,900		5,200	
							3	7,300		5,200	
							2	8,000	105,000	5,200	68,600
8	McArthur Falls	Winnipeg	MH	1954	1955	23	8	10,000	80,000	7,650	61,200
9	Laurie River No. 2	Laurie	SGM	1958	-	55	1	7,000	7,000	5,400	5,400
10	Laurie River No. 1	Laurie	SGM	1950	1952	55	2	3,500	7,000	2,475	4,950

Total capacity of plants under 1,500 kw

Total capacity of turbines connected directly to mechanical equipment

Total (all plants)	1,605,000	1,183,600
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THERMAL

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Wabamun	Wabamun	CP	1956	1967	Gas, coal	S	2 1 1	66,000 150,000 300,000	582,000
2	Rosedale	Edmonton	CE	1939	1966	Gas, oil	S GT S	2 3 2 2 1	15,000 30,000 75,000 30,000 75,000	405,000
3	Battle River	Forestburg	CU	1956	1964	Coal, oil	S	2	33,000	66,000
4	Tar Island	Fort McMurray	GCOS	1966	1967	Coke	S	2	32,500	65,000
5	Medicine Hat	Medicine Hat	CMH	1929	1953	Gas	S	1 1 1	3,000 5,000 30,000	38,000
6	Lethbridge	Lethbridge	CL	1931	1961	Gas	S GT	1 2 2	3,375 5,000 10,000	33,375
7	Rainbow Lake	Rainbow Lake	NU	1968	-	Gas	GT	1	30,000	30,000
8	Hinton	Hinton	NWPP	1956	1957	Gas, wood-waste, oil	S IC	1 1 1	21,760 1,100 1,000	23,860
9	Clover Bar	Edmonton	C	1953	1966	Gas	S	3 1	6,000 4,000	22,000
10	Simonette	Simonette	CU	1966		Flare gas	GT	1	20,000	20,000
11	Sturgeon	Valleyview	CU	1958	1961	Flare gas	GT	1 1	10,000 8,500	18,500
12	Drumheller	Drumheller	CU	1928	1952	Coal	S	2 1	7,500 2,500	17,500
13	Two Hills	Duvernay	WC	1953	1958	Gas	S IC GT	3 1 6 1	300 1,200 500 8,437	13,537
14	Sentinel	Coleman	CP	1927	1929	Coal	S	2	5,000	10,000
15	South Power Plant	Edmonton	DPWA	1959	1963	Gas	GT S	1 1 1	2,100 5,000 2,200	9,300
16	Fairview	Fairview	NU	1954	1960	Gas	IC	3	3,000	9,000
17	Vermilion	Vermilion	CU	1948	1961	Gas	S	4	2,250	9,000
18	Taber	Taber	CSF	1950	1967	Gas, oil	S	1 1 1	2,000 1,675 4,300	7,975

GT - Gas Turbine, IC - Internal Combustion, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
ALBERTA (Cont'd)										
19	Fort McMurray	Fort McMurray	CU	1954	1968	Oil	IC	4 2 1 1	500 1,200 2,500 650	7,550
20	Fort Saskatchewan	Fort Saskatchewan	SGM	1954	1959	Gas	S	2	2,500	5,000
21	Whitecourt	Whitecourt	PAPC	1958	1964	Gas	IC	2 5	300 800	4,600
22	Rimbey	Rimbey	BA	1960	1963	Gas	S	4	1,000	4,000
23	Jasper	Jasper	NU	1941	1968	Oil	IC	1 1 1 2 1	1,200 475 850 500 300	3,825
24	Glenmore Filter Plant	Calgary	COC	1965	1965		S	2	1,800	3,600
25	Picture Butte	Picture Butte	CSF	1936	1968	Gas	S	1 2	1,250 750	2,750
26	Foot Hills Hospital	Calgary		1965	1965		S IC	2 1	1,000 450	2,450
27	Edmonton	Legislative Bldg.	DPWA	1953	1965	Gas	S	2 1	800 500	2,100
28	Zama Lake	Zama Lake	NU	1968	1968		IC	2 1 2	600 500 75	1,850
29	West Whitecourt	West Whitecourt	PAPC	1968			IC			1,600
Total capacity of plants 1,500 kw. and over (not listed above)										4,000
Total capacity of plants under 1,500 kw.										15,855
Total (all plants)										1,439,227

IC - Internal Combustion, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.

Saskatchewan

1	Queen Elizabeth	Saskatoon	SPC	1958	1959	Gas, oil coal	S	1 1	66,000 75,000	141,000
2	Boundary Dam	Estevan	SPC	1959	1960	Coal	S	2	66,000	132,000
3	A. L. Cole	Saskatoon	SPC	1929	1957	Coal, oil, gas	S	1 1 2 1	10,000 15,000 25,000 30,000	105,000
4	Regina	Regina	SPC	1925	1960	Oil, gas	S	1 1 1 1	15,000 5,000 20,000 30,000	93,360
							GT	1	23,360	
5	Estevan	Estevan	SPC	1929	1957	Coal, gas	S	1 1 1 1	5,000 15,000 20,000 30,000	70,000
6	Success	Success	SPC	1967	1967	Gas	GT	3	11,840	35,520
7	Kindersley	Kindersley	SPC	1955	1958	Gas	IC	3	3,000	29,000
							GT	2	10,000	
8	Moose Jaw	Moose Jaw	SPC	1930	1952	Oil, gas	S	1 1	10,000 15,000	25,000
9	Kalium	Kalium	KC	1964	1964	Gas	S	2	7,500	15,000
10	Swift Current	Swift Current	SPC	1954	1957	Oil	IC	2 4	1,275 3,000	14,550
11	Eldorado	Eldorado	EMR	1952	1956	Oil	IC	4	2,250	9,000
12	Flin Flon	Flin Flon (Saskatchewan)	HBMS	1929	1951	Coal, oil	S	1 1	1,000 6,000	7,000
13	La Ronge	La Ronge	SPC	1953	1960	Oil	IC	2 2 1 1	50 100 350 1,000	1,650

Total capacity of plants 1,500 kw. and over (not listed above) 10,000

Total capacity of plants under 1,500 kw. 3,017

Total (all plants) 691,097

GT - Gas Turbine, IC - Internal Combustion, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.

Manitoba

1	Selkirk	Selkirk	MH	1960	1967	Coal, oil	S GT	2 2	66,000 11,900	155,800
2	Brandon	Brandon	MH	1957	1958	Coal, gas, oil	S	4	33,000	132,000
3	Amy Street	Winnipeg	WH	1924	1954	Coal	S	2 1 1	5,000 15,000 25,000	50,000
4	The Pas	The Pas	MH	1948	1962	Oil	IC	1 4 1 1	1,100 1,000 750 400	6,250
5	Fort Churchill	Fort Churchill	DPW	1949	1963	Oil	IC	3 4 3	200 300 1,136	5,208
6	Fort Garry	Winnipeg	MSC	1940	1953	Oil	S	1 1	1,500 2,500	4,000
7	Churchill	Churchill	NHB	1931	1955	Grain refuse, oil, coal	S IC	1 1 1 1 1	1,500 600 1,250 200 250	3,800
8	Thompson	Thompson	INCO		1958	Oil	IC	2	1,500	3,000

Total capacity of plants 1,500 kw. and over (not listed above) 10,160

Total capacity of plants under 1,500 kw. 4,421

Total (all plants) 374,639

GT - Gas Turbine, IC - Internal Combustion, S - Steam

OWNER CODE INDEX

CODE	OWNER
BA.....	British American Oil Company
C.....	Chemsell (1953) Limited
CE.....	City of Edmonton
CL.....	City of Lethbridge
CMH.....	City of Medicine Hat
COC.....	City of Calgary
CP.....	Calgary Power Ltd.
CRPC.....	Churchill River Power Company
CSF.....	Canadian Sugar Factories Limited
CU.....	Canadian Utilities Limited
DPWA.....	Department of Public Works, Government of Alberta
DPW.....	Department of Public Works, Government of Canada
EN	Eldorado Nuclear Limited
GCOS.....	Great Canadian Oil Sands Limited
HBMS.....	Hudson Bay Mining and Smelting Company Limited
INCO.....	International Nickel Company of Canada Limited
KC.....	Kalium Chemicals Limited
MH.....	Manitoba Hydro
MSC.....	Manitoba Sugar Company Limited
NHB.....	National Harbours Board, Government of Canada
NU.....	Northland Utilities Limited
NWPP.....	North Western Pulp and Power Limited
PAPC.....	Pan American Petroleum Corporation
SGM.....	Sherritt-Gordon Mines Limited
SPC.....	Saskatchewan Power Corporation
WC.....	Canadian Chemicals Limited (formerly Western Chemicals Limited)
WH.....	Winnipeg Hydro

DEPARTMENT OF ENERGY, MINES AND RESOURCES
INLAND WATERS BRANCH
— OTTAWA —

PRAIRIE PROVINCES

MAIN ELECTRIC TRANSMISSION SYSTEMS AND PRINCIPAL POWER GENERATING DEVELOPMENTS

SCALE OF MILES
0 20 40

— LEGEND —

EASTING		POWER GENERATION		TRANSMISSION LINES	
•	▲	○	△	—	—
Hydro-electric	Station and flow 1000 kw. or over	Station and flow 1000 kw. or over	Station and flow 1000 kw. or over	200 kv. circuit	115 kv. circuit
Sub-station				85 kv. circuit	60 kv. circuit
				Feeder lines other than 60 kv.	Feeder lines other than 60 kv.
				Underground and submarine cables	Underground and submarine cables
				Connection between companies	Connection between companies

OWNERSHIP
Colors generally show the principal power companies or areas they serve. The same color is used for all areas of the same ownership. The same color is used for all areas of the same ownership.

DECEMBER 1950





Inland Waters Branch

DEPARTMENT OF ENERGY, MINES AND RESOURCES
OTTAWA, CANADA

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydro-electric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt. In 1607, Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period 1550 to 1750, the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal; three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

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electric power in canada



map supplement
quebec



TRANSMISSION
AND
GENERATING FACILITIES

Quebec

INLAND WATERS BRANCH
DEPARTMENT OF ENERGY, MINES AND RESOURCES

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QUEEN'S PRINTER FOR CANADA
OTTAWA, 1969
Cat. No. M23-108/1968-2

HYDRO

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Beauharnois: Section 1	St. Lawrence	QHEC	1932	1948	80	8	53,000		37,300	
							6	53,000		40,000	
	Section 2			1950	1953	80	3	55,000		40,000	
							3	56,000		41,120	
							6	56,000		40,000	
	Section 3			1959	1961	80	10	73,700	2,148,000	55,250	1,574,260
2	Manic 2	Manicouagan	QHEC	1965	1967	230	8	170,000	1,360,000	126,900	1,015,200
3	Bersimis I	Betsiamites	QHEC	1956	1959	785	8	150,000	1,200,000	114,000	912,000
4	Chute des Passes	Peribonka	ALCAN	1959	1960	540	5	200,000	1,000,000	148,500	742,500
5	Shipshaw	Saguenay	ALCAN	1942	1943	208	2	95,000		58,500	
							6	103,000		60,000	
							2	101,000		60,000	
							2	95,000	1,200,000	60,000	717,000
6	Bersimis II	Betsiamites	QHEC	1959	1960	380	5	180,000	900,000	131,000	655,000
7	Carillon	Ottawa	QHEC	1962	1964	61	14	60,000	840,000	46,750	654,500
8	Isle Maligne	Saguenay	SAPC	1925	1937	110	12	45,000	540,000	28,000	336,000
9	McCormick Dam	Manicouagan	MP	1951	1965	124	2	56,200		35,625	
							3	60,000		40,000	
							2	80,000	452,400	56,250	303,750
10	Trenche	St. Maurice	QHEC	1950	1955	160	6	65,000	390,000	47,700	286,200
11	Beaumont	St. Maurice	QHEC	1958	1959	124	6	55,000	330,000	40,500	243,000
12	La Tuque	St. Maurice	QHEC	1940	1955	114	5	44,500		36,000	
							1	49,000	271,500	36,000	216,000
13	Paugan	Gatineau	QHEC	1928	1956	133	1	47,000		32,400	
						132	7	34,000	285,000	24,225	201,975
14	Chute-à-la-Savane	Peribonka	ALCAN	1953	1953	110	5	57,000	285,000	37,450	187,250
15	Chute-du-Diable	Peribonka	ALCAN	1952	1952	110	5	55,000	275,000	37,450	187,250
16	Manic 1	Manicouagan	QHEC	1966	1967	120	3	80,000	240,000	61,470	184,410
17	Rapide Blanc	St. Maurice	QHEC	1934	1955	108	1	44,500		30,600	
							5	40,000	244,500	30,600	183,600
18	Chute à Caron	Saguenay	ALCAN	1931	1934	160	4	75,000	300,000	45,000	180,000
19	Shawinigan No. 2	St. Maurice	QHEC	1911	1929	145	3	43,000		30,000	
							3	18,500		15,000	
							2	18,500	221,500	14,000	163,000
20	Cedars	St. Lawrence	QHEC	1914	1924	35	18	12,650	227,700	9,000	162,000

Quebec

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
QUEBEC (Cont'd)											
21	Shawinigan No. 3	St. Maurice	QHEC	1948	1949	145	3	65,000	195,000	50,000	150,000
22	Grand'Mère	St. Maurice	QHEC	1915	1930	80	5	22,000		15,725	
							1	22,000		18,000	
							1	24,500		20,000	
						84	2	22,000	200,500	15,725	148,075
23	Chelsea	Gatineau	QHEC	1927	1939	100	5	34,000	170,000	28,800	144,000
24	La Gabelle	St. Maurice	QHEC	1924	1931	60	3	36,000		24,750	
							2	32,000	172,000	24,750	123,750
25	Rapide-des-Îles	Ottawa (Upper)	QHEC	1966	1967	86	3	50,000	150,000	36,630	109,890
26	Farmers Rapids	Gatineau	QHEC	1927	1947	66	3	24,000		20,000	
							2	24,000	120,000	19,125	98,250
27	Masson	Lièvre	MQPC	1933	1933	185	4	34,000	136,000	23,800	95,200
28	Quinze Rapids	Ottawa (Upper)	QHEC	1923	1955	90	2	10,000		8,000	
							2	10,000		10,800	
							2	34,500	109,000	26,000	89,600
29	Chat Falls	Ottawa	OVPC	1932	1932	53	4	29,940	119,760	22,325	89,300
30	High Falls	Lièvre	MQPC	1930	1936	180	1	32,500		21,250	
							3	30,000	122,500	21,250	85,000
31	Rapid VII	Ottawa (Upper)	QHEC	1941	1949	68	4	16,000	64,000	14,250	57,000
32	Bryson	Ottawa	QHEC	1925	1949	60	2	25,700		18,000	
							1	27,000	78,400	20,000	56,000
33	Murdock Willson	Shipshaw	PCL	1957	-	263	1	82,000	82,000	51,000	51,000
34	Jim Gray	Shipshaw	PCL	1953	1953	338	2	35,000	70,000	25,500	51,000
35	Outardes Falls	Outardes	QNSPC	1937	1937	208	2	36,300	72,600	25,000	50,000
36	Fifty Foot Falls	Hart Jaune	HJP	1960	1960	123	3	22,000	66,000	16,150	48,450
37	Rapid II	Ottawa (Upper)	QHEC	1954	1964	67	4	16,000	64,000	12,000	48,000
38	Montreal Island	Prairies	QHEC	1929	1930	26	3	8,800		7,500	
							3	12,000	62,400	7,500	45,000
39	Dufferin Falls	Lièvre	JMC	1958	1959	62	2	25,000	50,000	19,125	38,250
40	Chicoutimi	Chicoutimi	SMPC	1957	-	273	1	42,000	42,000	32,000	32,000
41	Première Chutes	Ottawa (Upper)	QHEC	1968	-		1	40,000	40,000	31,000	31,000
42	Hemming Falls	St. François	QHEC	1925	1925	48	6	5,600	33,600	4,800	28,800
43	Hull 2	Ottawa	QHEC	1920	1968	32	3	7,500		5,760	
							1	13,400	35,900	10,000	27,280
44	Seven Falls	St. Anne (de Beaupré)	QHEC	1916	1916	410	4	6,000	24,000	4,680	18,720
45	Ste. Marguerite	Marguerite	GPC	1954	1954	100	2	12,000	24,000	8,800	17,600

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
QUEBEC (Cont'd).											
46	Kipawa	Gordon Creek	QHEC	1920	1926	200	2 1 1	3,600 8,500 9,350	25,050	2,800 5,760 5,760	17,120
47	St. Narcisse	Batiscan	QHEC	1926	1926	147	2	11,100	22,200	7,500	15,000
48	Drummondville	St. François	QHEC	1910	1925	27	2 2	3,200 6,000	18,400	2,500 4,800	14,600
49	Chutes aux Galets	Shipshaw	PCL	1921	1921	101	2	8,820	17,640	6,800	13,600
50	Chaudière Falls	Ottawa	EBEC	1913	1955	38	3	5,500	16,500	3,750	11,250
51	Chicoutimi	Chicoutimi	PCL	1923	-	72	1	11,000	11,000	9,900	9,900
52	W.R. Beatty	Black	PELC	1917	1951	129	1 1 1 2	1,800 2,250 2,500 3,000	12,550	1,250 1,530 1,800 2,250	9,080
53	Buckingham	Lièvre	ERC	1914	1939	30	1 1 3	2,000 2,500 2,000	10,500	1,375 1,836 1,440	7,531
54	Price	Mitis	QHEC	1922	1929	120	1 1	3,700 5,900	9,600	2,400 4,000	6,400
55	Adam Cunningham	Shipshaw	PCL	1953	-	56	1	9,500	9,500	6,375	6,375
56	Arnaud Bridge	Chicoutimi	QHEC	1912	1917	56	1 2	2,500 2,500	7,500	1,700 1,875	5,450
57	Bell Falls	Rouge	QHEC	1915	1920	54	3	2,400	7,200	1,600	4,800
58	Kenogami	Au Sable	PCL	1912	1912	264	2	3,350	6,700	2,345	4,690
59	Grand Mitis No. 2	Mitis	QHEC	1947	-	75	1	6,000	6,000	4,250	4,250
60	Jonquière No. 1	Au Sable	MJ	1907	1924	42 47	1 1	1,800 4,030	5,830	1,280 2,812	4,092
61	Westbury	St. François	CS	1928	1928	28	2	2,900	5,800	2,000	4,000
62	Chaudière	Chaudière	QHEC	1903	1904	114	2 1	1,400 2,000	4,800	1,000 1,500	3,500
63	Lachute Mills	North	AL	1929	1929	36	3	1,500	4,500	1,080	3,240
64	Windsor Mills	St. François	DPP	1936	1939	19	2 1 1	1,500 800 430	4,230	1,120 600 320	3,160
65	Weedon	St. Francois	CS	1920	1926	30 29	2 1	1,700 1,700	5,100	1,040 1,040	3,120
66	St. Alban	Ste. Anne de la Pérade	QHEC	1927	-	64	1	4,000	4,000	3,000	3,000

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
QUEBEC (Cont'd)											
67	Ogilvie Flour Mills	Lachine Canal	OFM	1940	1948	23 15	2 2	1,600 400	4,000	1,200 300	3,000
68	St. Raphael	Sud	QHEC	1921	1921	232	3	1,500	4,500	850	2,550
69	Domtar	Jacques Cartier	DPP	1960	1962	60	2	1,200	2,400	1,200	2,400
70	MacDougall	Jacques Cartier	DPP	1925	1927	55	2	1,900	3,800	1,200	2,400
71	Jonquière	Au Sable	PCL	1916	1916	67	1 1	1,800 1,625	3,425	1,200 1,200	2,400
72	Winneway	Winneway (Upper Ottawa)	LMC	1938	1943	54	2	1,400	2,800	1,169	2,338
73	Mont Laurier	Lièvre	QHEC	1937	1951	22	1 2	500 1,325	3,150	500 900	2,300
74	Sherbrooke	Magog	QHEC	1910	1910	55	3	1,333	4,000	752	2,256
75	Garneau	Chicoutimi	QHEC	1925	-	33	1	3,450	3,450	2,240	2,240
76	Magog	Magog	DTC	1920	1920	25	2	1,500	3,000	1,000	2,000
77	Corbeau	Gatineau	QHEC	1926	1926	16	2	1,250	2,500	1,000	2,000
78	Bird's	Jacques Cartier	DPP	1937	-	27	1	2,250	2,250	1,920	1,920
79	Rock Forest	Magog	CS	1911	1911	30	2	1,500	3,000	940	1,880
80	Rivière-du-Loup	Du Loup	CRL	1929	1942	100	1 1	960 1,900	2,860	640 1,200	1,840
81	East Angus Mill	St. François	DPP	1910	1910	33	1 1 20	1,090 1,090 252	2,432	846 990 -	1,836
82	Magpie	Magpie	QHEC	1961	1961	31	2	1,500	3,000	900	1,800
83	Rawdon	Ouareau	QHEC	1928	-	46	1	2,300	2,300	1,720	1,720
84	Frontenac	Magog	CS	1917	1917	38	2	1,450	2,900	800	1,600
85	Burroughs Falls	Nigger	QHEC	1929	-	180	1	2,000	2,000	1,600	1,600
Total capacity of plants under 1,500 kw.									25,360	16,548	
Total capacity of turbines connected directly to mechanical equipment									59,365		
Total (all plants)									15,371,352	11,048,846	

THERMAL

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Tracy	Tracy	QHEC	1964	1968	Oil	S	4	150,000	600,000
2	Les Boules	Les Boules	QHEC	1955	1960	Oil	GT	6	6,000	36,000
3	Kenogami Mill	Kenogami	PC	1967	-	Oil	S	1	14,750	14,750
4	Chandler	Chandler	GPP	1930	1954	Oil	S	1 1 1	6,000 2,500 4,000	12,500
5	Noranda	Noranda	NM	1934	1957	Waste heat	S	1 1 1	2,600 3,000 4,500	10,100
6	Drummondville	Drummondville	CCL	1935	1953	Coal, oil	S	1 1 1 1	1,500 2,500 3,500 2,000	9,500
7	Cap aux Meules	Îles-de-la-Madeleine	QHEC	1953	1964	Oil	IC	1 3 1 2	1,065 1,000 1,200 2,200	9,665
8	Murdochville	Murdochville	GCM	1952	1955	Oil, waste heat	S IC	1 2 1	5,400 1,000 300	7,700
9	Thurso	Thurso	TPPC	1957	-	Coal, oil, wood-waste	S	1	7,500	7,500
10	Quebec City	Quebec City	ACPP	1927	-	Oil	S	1	6,000	6,000
11	Magog	Magog	DTC	1938	1948	Coal	S	2	2,000	4,000
12	Montreal	Montreal	CDSC	1925	1947	Gas, oil	S	2 1	1,000 1,500	3,500
13	Gatineau	Gatineau	CIPC	1927	1960	Oil, wood-waste	S	4	750	3,000
14	Schefferville	Schefferville	IOCC	1956	1956	Oil	IC	3	1,000	3,000
15	Three Rivers	Three Rivers	CIPC	1922	1925	Oil, wood-waste	S	6	500	3,000
16	Havre St. Pierre	Havre St. Pierre	REC	1950	1963	Oil	IC	1 1 3	1,000 500 300	2,400
17	Port and Terminal (Stand-by)	Port Cartier	QCMC	1960	1960	Oil	IC	2	1,000	2,000

GT - Gas Turbine, IC - Internal Combustion, S - Steam

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.

QUEBEC (Cont'd)

18	Lac Jeannine (Stand-by)	Gagnon	QCMC	1960	1960	Oil	IC	2	1,000	2,000
19	Havre St. Pierre	Havre St. Pierre	QHEC	1967	-	Oil	IC	2	1,000	2,000
20	Desmaraisville	Desmaraisville	CM	1960	1964			13 1	136 152	1,920
21	Rivière-du-Loup	Rivière-du-Loup	CRL	1947	1953	Oil	IC	2 1	240 1,360	1,840
22	Blanc Sablon	Blanc Sablon	QHEC	1965	1967	Oil	IC	2 1	600 350	1,550

Total capacity of plants 1,500 kw. and over (not listed above) 7,250

Total capacity of plants under 1,500 kw. 13,425

Total (all plants) 764,600

IC - Internal Combustion

OWNER CODE INDEX

CODE	OWNER
ACPP.....	Anglo-Canadian Pulp and Paper Mills Limited
AL.....	Ayers Limited
ALCAN.....	Aluminum Company of Canada Limited
CCL.....	Canadian Celanese Limited
CDSC.....	Canada and Dominion Sugar Company Limited
CIPC.....	Canadian International Paper Company
CM.....	Coniagas Mines Limited
CRL.....	City of Rivière-du-Loup
CS.....	City of Sherbrooke
DP.....	Donnacona Paper Company
DPP.....	Domtar Pulp and Paper Company Limited
EBEC.....	E. B. Eddy Company
ERC.....	Electric Reduction Company
GCM.....	Gaspé Copper Mines Limited
GPC.....	Gulf Power Company
GPP.....	Gaspesia Pulp and Paper Company Limited
HJP.....	Hart Jaune Power Company
IOCC.....	Iron Ore Company of Canada
JMC.....	James MacLaren Company Limited
LMC.....	Lorraine Mining Company Limited
MJ.....	Municipality of Jonquière
MP.....	Manicouagan Power Company
MQPC.....	MacLaren-Québec Power Company
NM.....	Noranda Mines Limited
OFM.....	Ogilvie Flour Mills
OVPC.....	Ottawa Valley Power Company
PCL.....	Price Company Limited
PELC.....	Pembroke Electric Light Company Limited
QCMC.....	Québec Cartier Mining Company
QHEC.....	Québec Hydro-Electric Commission
QNSPC.....	Québec-North Shore Paper Company
REC.....	Romaine Electric Company Limited
SAPC.....	Saguenay Power Company
SMPC.....	Smelter Power Corporation
TPPC.....	Thurso Pulp and Paper Company

69° NORTHWEST

MANSE

H I D S O N

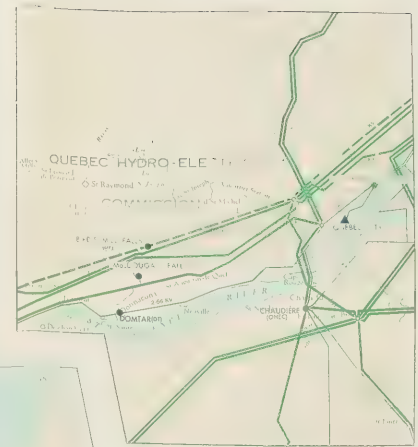
B A Y

BEICHER

ISLANDS

Notes: Off shore, line is the outline the Gulf of St. Lawrence. It is 100 miles long.

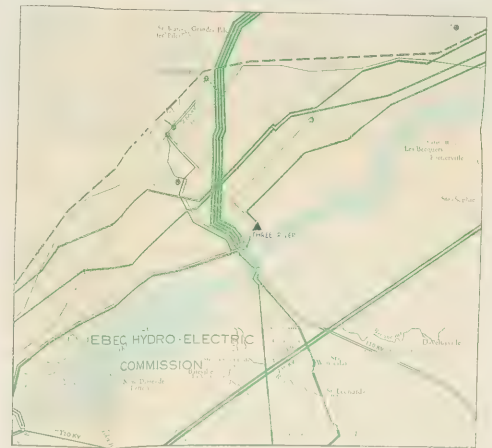
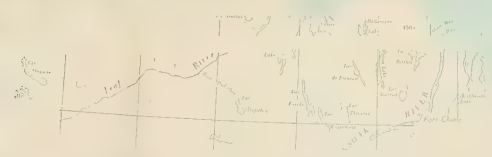
U N G A V



QUEBEC
SCALE OF MILES



ISLE MALIGNE - CHICOUFIMI
SCALE OF MILES



THREE RIVERS - SHAWINIGAN
SCALE OF MILES



THREES RIVERS

LABRADOR



DEPARTMENT OF ENERGY, MINES AND RESOURCES
INLAND WATERS BRANCH
OTTAWA

QUEBEC

MAIN ELECTRIC TRANSMISSION SYSTEMS AND PRINCIPAL POWER GENERATING DEVELOPMENTS

SCALE OF MILES
0 20 40 60 80

LEGEND

EXISTING	UNDER CONSTRUCTION	GENERATING STATIONS
●	○	Hydro-electric
▲	△	Thermal electric
○	△	Sub-station

TRANSMISSION LINES

—	230 kv. circuit
- - -	115 kv. circuit
...	69 kv. circuit

Frequency other than 60 cycles
Underground and submarine cable
Connection between companies

OWNERSHIP

Colours generally designate major independent companies or associate groups. The same colour in different sections of the map may not indicate common ownership or control.

DECEMBER 1968



Inland Waters Branch

DEPARTMENT OF ENERGY, MINES AND RESOURCES
OTTAWA, CANADA

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydro-electric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt, in 1607. Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period 1550 to 1750, the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal; three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

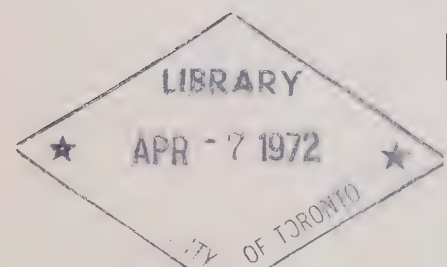
Dep't. of Energy, New
ATLANTIC PROVINCES
Energy Development & Transfer

MT 51

S22



electric power in canada
map supplement



1969

TRANSMISSION
AND
GENERATING FACILITIES

Atlantic Provinces

ENERGY DEVELOPMENT SECTOR
DEPARTMENT OF ENERGY, MINES AND RESOURCES

INDEX OF FUELS FOR THERMAL DEVELOPMENTS

Gas	a
Oil	b
Wood Waste	c
Coal	d
Coke	e
Waste Heat	f
Coke Oven Gas	g
Uranium Dioxide	h
Grain Refuse	i
Flare Gas	j

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Mactaquac	Saint John	NBEPC	1968	1968		3	140,000	420,000	100,000	300,000
2	Beechwood	Saint John	NBEPC	1957	1962	57	2 1	45,000 55,000	145,000	36,000 40,500	112,500
3	Grand Falls	Saint John	NBEPC	1928	1931	125	4	20,000	80,000	15,750	63,000
4	Tinker	Aroostook	MNBP	1906	1965	85	2 2 1	2,000 5,000 33,000	47,000	1,500 3,520 20,800	30,840
5	Tobique	Tobique	NBEPC	1953	1953	75	2	13,500	27,000	10,000	20,000
6	Great Falls	Nepisiguit	CB	1921	1930	108 110	2 1	5,000 5,500	15,500	3,600 3,600	10,800
7	Sisson	Tobique	NBEPC	1965	1965	135	1	12,500	12,500	10,000	10,000
8	Musquash	Musquash	NBEPC	1920	1920	99.5 124.5	2 1	3,670 3,760	11,100	2,320 2,320	6,960
9	Milltown	St. Croix	NBEPC	1911	1967	21 25 30	3 1 1 1 1	1,080 500 468 500 900	5,608	770 376 350 400 700	4,136
10	Edmundston	Madawaska	FC	1918	1918	21.1	2	1,000	2,000	1,000	2,000

Total capacity of plants under 1,500 kw.

3,025

2,500

Total capacity of turbines connected directly to mechanical equipment

5,000

Total (all plants)

773,733

562,736

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Courtenay Bay	East Saint John	NBEPC	1961	1967	b	S	1 1 2	50,000 13,365 110,000	283,365
	Dalhousie	Dalhousie	NBEPC	1969		b	S	1	100,000	100,000
2	Grand Lake No. 2	Newcastle Creek	NBEPC	1951	1963	d	S	2 1 1	5,000 15,000 60,000	85,000
3	Chatham	Chatham	NBEPC	1948	1956	b,d	S	1 1	12,500 20,000	32,500
4	Lancaster	Lancaster	IPP	1947	1960	b	S	1 1 1	2,000 10,000 12,500	24,500
5	Bathurst	Bathurst	CB	1937	1958	b,d	S	1 1 1	6,000 7,600 7,000	20,600

Gas Turbine
Internal Combustion
Steam
Combustion Turbine

GT
IC
S
CT

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
6	Edmundston	Edmundston	FC	1949	1958	c,d	S	1 1 1	3,000 3,800 12,500	19,300
7	Dalhousie	Dalhousie	NBIPC	1929	1937	d	S	1 1 2 2	6,000 8,000 800 750	17,100
8	Dock Street	Saint John	NBEPC	1929	1947	b,d	S	1 1	6,000 10,000	16,000
9	Newcastle	Newcastle	FC	-	1967	b	S	1	15,625	15,625
10	Grand Lake No. 1	Newcastle Creek	NBEPC	1931	1944	d	S	1 1	6,250 7,500	13,750
11	Atholville	Atholville	FC	1929	1956	b	S	3 1 1	1,000 2,000 5,000	10,000
12	Saint John	Saint John	ASR	1954	1962	b	S	1 1	2,500 1,000	3,500
13	Edmundston	Edmundston	ME	1947	1955	b	IC	2 1	690 1,876	3,256
14	Grand Manan	Grand Manan	NBEPC	1957	1969	b	IC	1 2 1	890 700 503	2,793
15	Campbellton	Campbellton	CC	1946	1953	b	IC	1 1 1	240 1,136 1,360	2,736

Total capacity of plants 1,500 kw. and over (not listed above)

Total capacity of plants under 1,500 kw.

2,000

Total (all plants)

652,025

Combined Hydro and Thermal Total

1,214,761

Gas Turbine	GT
Internal Combustion	IC
Steam	S
Combustion Turbine	CT

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Weymouth Falls	Sissiboo	NSPC	1960	1967	122	2	12,000	24,000	9,000	18,000
2	Lequille	Allain	NSLPC	1968	-	388	1	15,000	15,000	11,200	11,200
3	Deep Brook	Mersey	NSPC	1950	1950	46	2	6,400	12,800	4,500	9,000
4	Big Falls	Mersey	NSPC	1929	1929	58	2	6,350	12,700	4,500	9,000
5	Lower Lake Falls	Mersey	NSPC	1929	1929	48.5	2	5,300	10,600	3,690	7,380
6	Cowie Falls	Mersey	NSPC	1937	1937	43	2	5,100	10,200	3,600	7,200
7	Ruth Falls	East, Sheet Harbour	NSPC	1927	1936	110 109	2 1	5,145 4,300	10,590	2,000 2,970	6,970
8	Hell's Gate	Black	NSLPC	1930	1949	185	1 1	4,500 4,500	9,000	3,360 3,570	6,930
9	Nictaux	Nictaux	NSLPC	1954	-	382	1	9,000	9,000	6,800	6,800
10	Gulch	Bear	NSPC	1956	-	225	1	8,500	8,500	6,000	6,000
11	Sissiboo Falls	Sissiboo	NSPC	1960	-	87	1	8,000	8,000	6,000	6,000
12	Upper Lake Falls	Mersey	NSPC	1929	1929	31.5	2	2,350	4,700	2,700	5,400
13	Hollow Bridge	Black	NSLPC	1940	-	148	1	7,500	7,500	5,312	5,312
14	Tidewater	North East	NSPC	1921	1921	91.5	2	3,450	6,900	2,320	4,640
15	Lower Great Brook	Mersey	NSPC	1955	1955	22	2	3,120	6,240	2,250	4,500
16	Ridge	Bear	NSPC	1957	-	140	1	5,300	5,300	4,000	4,000
17	Dickie Brook	Dickie Brook	NSPC	1948	1948	298	1 1	1,750 1,750	3,500	1,200 2,600	3,800
18	Avon No. 1	Avon	NSLPC	1958	-	117.5	1	5,000	5,000	3,750	3,750
19	Malay Falls	East, Sheet Harbour	NSPC	1924	1954	43 41	2 1	1,850 1,740	5,440	1,200 1,200	3,600
20	Paradise	Paradise Brook	NSLPC	1950	-	465	1	5,000	5,000	3,600	3,600
21	Methals	Methals Brook	NSLPC	1949	-	45	1	4,600	4,600	3,400	3,400
22	Sandy Lake	North East	NSPC	1927	1927	118	2	2,500	5,000	1,600	3,200
23	White Rock	Gasperaux	NSLPC	1952	-	58	1	4,000	4,000	3,200	3,200
24	St. Croix	St. Croix	MBPP	1934	-	148	1	4,200	4,200	3,000	3,000
25	Avon No. 2	Avon	NSLPC	1929	-	142	1	3,900	3,900	3,000	3,000
26	Lumsden	Black	NSLPC	1942	-	72	1	4,500	4,500	2,800	2,800
27	Mill Lake	North East	NSPC	1921	1921	162.5	2	1,900	3,800	1,280	2,560
28	Tusket	Tusket	NSPC	1929	1929	18	3	940	2,820	720	2,160
29	Salmon Hole	St. Croix	MBPP	1938	-	75	1	2,500	2,500	2,000	2,000

Total capacity of plants under 1,500 kw.

6,365

4,358

Total capacity of turbines connected directly to mechanical equipment

Total (all plants)

221,655

162,760

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Trenton	Trenton	NSPC	1951	1969	d	S	1	150,000	210,000
							S	2	10,000	
								2	20,000	
2	Lower Water Street	Halifax	NSLPC	1944	1959	b,d	S	1	10,000	165,000
								2	20,000	
								1	25,000	
								2	45,000	
3	Glace Bay	Glace Bay	NSPC	1932	1966	d	S	2	6,000	108,000
								4	15,000	
								1	36,000	
4	Tufts Cove	Tufts Cove	NSLPC	1965	-	b,d	S	1	100,000	100,000
5	Point Tupper	Port Hawkesbury	NSPC	1969		b	S	1	80,000	80,000
6	Sydney	Sydney	DOSCO	1919	1943	a b d	S	1	7,600	34,600
								2	3,000	
								1	5,000	
								1	16,000	
7	Harrison Lake	Maccan	NSPC	1926	1949	d	S	1	15,000	26,500
								1	6,000	
								1	1,500	
								1	4,000	
8	Abercrombie Point	Abercrombie Point	SMP	1967	-			1	18,750	18,750
9	Port Hawkesbury	Point Tupper	NSP	1962	-	d	S	1	10,000	10,000
10	Brooklyn	Brooklyn	BMPC	1943	-	b,c	S	1	5,170	5,170
11	Dartmouth	Dartmouth	IOC	1965	-	b	S	1	3,750	3,750
12	King Street	Yarmouth	NSLPC	1937	1948	b	IC	1	320	1,920
								1	400	
								2	600	

Total capacity of plants 1,500 kw. and over (not listed above)

5,200

Total capacity of plants under 1,500 kw.

2,070

Total (all plants)

770,960

Combined Hydro and Thermal Total

933,720

Gas Turbine	GT
Internal Combustion	IC
Steam	S
Combustion Turbine	CT

Prince Edward Island

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Charlottetown	Charlottetown	MEC	1931	1963	b	S	1	1,500	70,500
								1	4,000	
								2	7,500	
								1	10,000	
								2	20,000	
2	Summerside	Summerside	MS	1940	1963	b	IC	1	200	6,890
								2	250	
								1	555	
								1	1,135	
								2	2,250	

Total capacity of plants 1,500 kw. and over (not listed above)

Total capacity of plants under 1,500 kw.

Total (all plants)								77,390		
				Gas Turbine		GT				
				Internal Combustion		IC				
				Steam		S				
				Combustion Turbine		CT				

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Bay d'Espoir	Salmon	NPC	1967	1967		4	100,000	400,000	76,500	306,000
2	Twin Falls	Unknown	TFPC	1962	1968	290	5	60,000	300,000	46,800	234,000
3	Deer Lake	Humber	BPC	1925	1930	247	4 3 2	16,000 16,000 29,000	170,000	11,284 11,305 19,950	118,951
4	Grand Falls	Exploits	PPP	1909	1938	109	3 1	2,500 36,000	43,500	1,500 26,000	30,500
5	Menihek	Ashuanipi (Labrador)	IOCC	1954	1960	34 40	2 1	6,000 13,500	25,500	4,250 10,200	18,700
6	Bishops Falls	Exploits	PPP	1909	1952	35	7 2	2,700 1,500	21,900	2,025 1,500	17,175
7	Rattling Brook	Rattling Brook	NLPC	1958	1958	307	2	8 500	17,000	6,375	12,750
8	Mobile	Mobile	NLPC	1951	-	370	1	13,000	13,000	9,350	9,350
9	Watson's Brook	Corner Brook	BPC	1958	1958	559	2	6,000	12,000	4,600	9,200
10	Horse Chops	Horse Chops	NLPC	1953	-	276	1	10,000	10,000	7,650	7,650
11	Tors Cove	Tors Cove	NLPC	1942	1951	173	2 1	2,850 3,500	9,200	2,000 2,500	6,500
12	Cape Broyle	Horse Chops	NLPC	1952	-	176	1	7,600	7,600	6,000	6,000
13	Sandy Brook	Sandy Brook	NLPC	1963	-	115	1	8,000	8,000	5,950	5,950
14	Lookout Brook	Lookout Brook	NLPC	1945	1958	575	2 1	1,850 3,600	7,300	1,400 2,400	5,200
15	Petty Harbour	Petty Harbour	NLPC	1908	1926	190	2 1	2,100 2,750	6,950	1,600 1,800	5,000
16	New Chelsea	New Chelsea Brook	NLPC	1957	-	275	1	5,600	5,600	4,000	4,000
17	Seal Cove	Seal Cove	NLPC	1922	1927	190	1 1	1,500 3,040	4,540	1,200 2,400	3,600
18	Pierres Brook	Pierres Brook	NLPC	1931	-	263	1	4,500	4,500	3,200	3,200
19	Rocky Pond	Tors Cove	NLPC	1943	-	107	1	4,200	4,200	3,200	3,200
20	Lockston	Lockston	NLPC	1956	1961	270	2	2,000	4,000	1,500	3,000
21	Hearts Content	Hearts Content Brook	NLPC	1960	-	150	1	3,600	3,600	2,400	2,400
22	Buchans Brook	Buchans Brook	ASRC	1927	-	163	1	2,359	2,359	1,760	1,760
Total capacity of plants under 1,500 kw.									7,490		5,440
Total capacity of turbines connected directly to mechanical equipment									22,000		
Total (all plants)									1,110,239		819,526

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	St. John's	St. John's	NLPC	1957	1959	b	S	1 1	10,000 20,000	30,000
2	Salt Pond	Salt Pond	NLPC	1964	1968	b	IC GT	3 1	500 14,400	15,900
3	Control Centre	Holyrood	NPC	1966	-	a	GT	1	14,150	14,150
4	Grand Falls	Grand Falls	PPP	1930	1931	b	S	2	5,000	10,000
5	Corner Brook	Corner Brook	BPC	1957	-	b	S	1	6,600	6,600
6	Tilt Cove	Tilt Cove	TCPC	1960	-	b	S	1	5,000	5,000
7	Port aux Basques	Port aux Basques	NLPC	1945	1969	b	IC	1 2 3 1	2,700 350 250 210	4,360
8	Wabush Lake	Wabush Lake	WM	-	1963	b	IC	4	1,000	4,000
9	Goose Bay	Goose Bay	DOT	1952	1959	b	IC	4 1	750 1,000	4,000
10	Labrador City	Carol Lake	IOCC			b				3,910
11	Palmquist	Gander	DOT	1948	1962	b	IC	3	1,000	3,000
12	Happy Valley	Goose Bay	NLPC	1967	1967	b	IC	2 2	1,100 250	2,700
13	St. John's	St. John's	NLPC	1956	-	b	IC	1	2,500	2,500
Total capacity of plants 1,500 kw. and over (not listed above)										4,000
Total capacity of plants under 1,500 kw.										17,327
Total (all plants)										127,447
Combined Hydro and Thermal Total										946,973
				Gas Turbine		GT				
				Internal Combustion		IC				
				Steam		S				
				Combustion Turbine		CT				

OWNER CODE INDEX

CODE	OWNER
ASR.....	Atlantic Sugar Refineries
ASRC.....	American Smelting and Refining Company Limited
BMPC.....	Bowaters Mersey Paper Company Limited
BPC.....	Bowater Power Company Limited
CB.....	Consolidated-Bathurst Limited
CC.....	City of Campbellton
DOSCO.....	Dominion Iron and Steel Company Limited
DOT.....	Department of Transport, Government of Canada
FC.....	Fraser Companies Limited
IOC.....	Imperial Oil Limited
IOCC.....	Iron Ore Company of Canada
IPP.....	Irving Pulp and Paper Limited
MBPP.....	Minas Basin Pulp and Power Company
ME.....	Municipality of Edmundston
MEC.....	Maritime Electric Company Limited
MNBP.....	Maine and New Brunswick Electrical Power Co. Ltd.
MS.....	Municipality of Summerside
NBEPC.....	New Brunswick Electric Power Commission
NBIPC.....	New Brunswick International Paper Company Limited
NLPC.....	Newfoundland Light and Power Co. Limited
NPC.....	Newfoundland and Labrador Power Commission
NSLPC.....	Nova Scotia Light and Power Company Limited
NSP.....	Nova Scotia Pulp Limited
NSPC.....	Nova Scotia Power Commission
PPP.....	Price (Nfld) Pulp and Paper Limited
SMP.....	Scott Maritimes Pulp Limited
TCPC.....	Tilt Cove Power Corporation
TFPC.....	Twin Falls Power Company Limited
WCPC.....	West Coast Power Company Limited
WM.....	Wabush Mines



DEPARTMENT OF ENERGY, MINES AND PETROLEUM
ENERGY DEVELOPMENT SECTOR

ATLANTIC PROVINCES MAIN ELECTRIC TRANSMISSION SYSTEMS AND PRINCIPAL POWER GENERATING DEVELOPMENTS

SCALE OF MILES
0 20 40

LEGEND

GENERATING STATIONS

- Hydro-electric (triangle symbol)
- Thermal-electric (square symbol)
- Geothermal (circle symbol)

TRANSMISSION LINES

- 220 kv. (solid line)
- 110 kv. (dashed line)
- 60 kv. (dotted line)
- 33 kv. (dash-dot line)
- 15 kv. (long-dash line)
- Underground and submarine cables (line with cross-ticks)
- Connection between companies (line with dots)

OWNERSHIP

Colors generally designate major independent companies or agencies. The color of a line indicates the ownership of the line when it is not owned jointly or jointly.

DECEMBER 1960

Dept of Energy Mines & Resources

Government
Publications

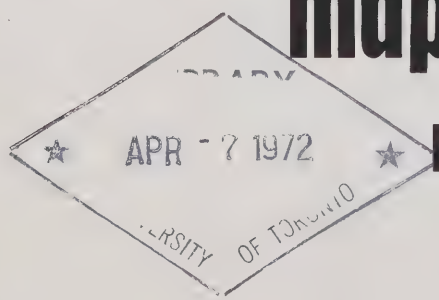
BRITISH COLUMBIA

Energy Development Division

CAI MT 51
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electric power in canada map supplement



1969

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**TRANSMISSION
AND
GENERATING FACILITIES**

**British Columbia • Yukon
and Northwest Territories**

ENERGY DEVELOPMENT SECTOR
DEPARTMENT OF ENERGY, MINES AND RESOURCES

INDEX OF FUELS FOR THERMAL DEVELOPMENTS

Gas	a
Oil	b
Wood Waste	c
Coal	d
Coke	e
Waste Heat	f
Coke Oven Gas	g
Uranium Dioxide	h
Grain Refuse	i
Flare Gas	j

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Gordon M. Shrum	Peace	BCHPA	1968	1969	500	5	310,000	1,550,000	227,000	1,135,000
2	Kemano	Nechako to Kemano	ALCAN	1954	1967	2,500	4 4	150,000 150,000	1,200,000	97,600 105,600	812,800
3	Waneta	Pend d'Oreille	CMSC	1954	1966	210	1 2 1	130,000 120,000 130,000	500,000	72,000 72,000 76,500	292,500
4	Bridge River No. 2	Bridge River	BCHPA	1959	1960	1,264	4	82,000	328,000	62,000	248,000
5	Bridge River No. 1	Bridge River	BCHPA	1948	1954	1,261	4	69,000	276,000	45,000	180,000
6	Cheakamus	Cheakamus	BCHPA	1957	1957	954	2	95,000	190,000	70,000	140,000
7	John Hart	Campbell	BCHPA	1947	1953	390	6	28,000	168,000	20,000	120,000
8	Brilliant	Kootenay	CMSC	1944	1968	90	3 1	37,000 40,000	151,000	27,200 27,200	108,800
9	Ruskin	Stave	BCHPA	1930	1950	123	3	47,000	141,000	35,200	105,600
10	Strathcona	Campbell	BCHPA	1958	1968	140	2	42,000	84,000	33,750	67,500
11	Wahleach	Wahleach Lake to Fraser	BCHPA	1952	-	1,880	1	82,000	82,000	60,000	60,000
12	Upper Bonnington	Kootenay	CMSC	1907	1940	70	2 2 2	8,000 9,000 26,000	86,000	5,062 6,750 15,750	55,124
13	Ladore Falls	Campbell	BCHPA	1956	1957	122	2	35,000	70,000	27,000	54,000
14	Stave Falls	Stave	BCHPA	1912	1925	110 113	4 1	13,000 15,000	67,000	10,500 10,500	52,500
15	Lake Buntzen No. 1	Lake Buntzen to Burrard Inlet	BCHPA	1951	-	380	1	70,000	70,000	50,000	50,000
16	South Slocan	Kootenay	CMSC	1928	1929	70	3	25,000	75,000	15,750	47,250
17	Lower Bonnington	Kootenay	WKPL	1925	1926	70	3	20,000	60,000	15,750	47,250
18	Seton	Seton Creek	BCHPA	1956	-	147	1	58,500	58,500	42,000	42,000
19	Corra Linn	Kootenay	CMSC	1932	1932	53	3	19,000	57,000	13,500	40,500
20	Stillwater	Lois	MBPR	1930	1948	-	2	25,000	50,000	16,200	32,400
21	Clowhom Falls	Clowhom	BCHPA	1958	-	145	1	40,000	40,000	30,000	30,000
22	Puntledge	Puntledge	BCHPA	1955	-	340	1	35,000	35,000	27,000	27,000
23	Lake Buntzen No. 2	Lake Buntzen to Burrard Inlet	BCHPA	1913	1919	380	3	13,500	40,500	8,900	26,700
24	Jordan River	Jordan	BCHPA	1911	1931	1,010	2 1 1	5,430 10,125 18,000	38,985	3,200 8,000 12,000	26,400
25	Ash River	Ash	BCHPA	1959	-	735	1	35,000	35,000	25,200	25,200
26	La Joie	Bridge	BCHPA	1957	-	176	1	30,000	30,000	22,000	22,000

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
27	Powell River	Powell	MBPR	1911	1926	157 147 147	1 1 2	13,500 3,600 3,000	23,100	12,000 3,750 2,800	21,350
28	Ocean Falls	Link	CZC	1917	1932	143	2 2	2,100 6,300	16,800	1,900 4,200	12,200
29	Elko	Elk	BCIPA	1923	1924	190	2	7,500	15,000	4,800	9,600
30	Falls River	Big Falls Creek	BCIPA	1930	1960	248	2	6,000	12,000	4,800	9,600
31	Nelson	Kootenay	CN	1907	1950	60 60 70 70	1 1 1 1	1,670 1,900 3,000 6,750	13,320	750 1,000 2,120 4,800	8,670
32	Alouette	Alouette Lake to Stave Lake	BCIPA	1928	-	125.5	1	12,500	12,500	8,000	8,000
33	Walter Hardman	Cranberry Creek	COR	1960	1965	770	2	5,800	11,600	4,000	8,000
34	Shuswap Falls	Shuswap	BCIPA	1929	1942	72 82	1 1	3,800 4,000	7,800	2,400 2,800	5,200
35	Aberfeldie	Bull	BCIPA	1922	1922	275	2	3,650	7,300	2,500	5,000
36	Beach	Britannia Creek Furry Creek	ACL	1916	1917	1,835 760	1 1	3,750 3,750	7,500	2,000 2,000	4,000
37	Spillimacheen	Spillimacheen	BCIPA	1955	1955	207	2 1	1,200 3,000	5,400	900 2,200	4,000
38	Tennent Creek	Tennent Creek	WM	1966	-	2,050	1	4,500	4,500	3,060	3,060
39	Woodfibre	Woodfibre Creek	RC	1947	-	920	1	3,650	3,650	2,250	2,250
40	Port Alice	Victoria Lake to Neroutsos Inlet	RC	1953	-	425	1	3,200	3,200	2,000	2,000
Total capacity of plants under 1,500 kw.									3,200		2,022
Total capacity of turbines connected directly to mechanical equipment									46,210		
Total (all plants)									5,674,865		3,953,476

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Burrard	Vancouver	BCIPA	1962	1968	a,b	S	5	150,000	750,000
2	Port Mann	New Westminster	BCHPA	1959	1959	b	GT	4	25,000	100,000
3	Georgia	Chemainus	BCHPA	1958	1959	b	GT	2 2	19,750 18,000	75,500
4	Powell River	Powell River	MBPR	1948	1967	b,c	S	1 1 1 1 1	1,350 1,200 10,500 1,875 36,000	50,925

Gas Turbine
Internal Combustion
Steam
Combustion Turbine

GT
IC
S
CT

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
5	Watson Island	Watson Island	CCC	1950	1966	b, c	S	2 1	7,500 34,600	49,600
6	Harmac	Nanaimo	MBPR	1954	1963	b, c	S	1 1 1	31,500 4,000 1,250	36,750
7	Tide Lake	Tide Lake	GOC					2	15,000	30,000
8	Somass Mill	Port Alberni	MBPR	1963	-	c	S	1	26,000	26,000
9	Dawson Creek	Dawson Creek	BCHPA	1953	1963	a, b	IC	2 6	1,000 3,000	20,000
10	Port Alice	Port Alice	RC	1942	1957	b, c	S	1 2 1	3,200 3,500 6,000	16,200
11	Ocean Falls	Ocean Falls	CZC	1930	1950	b, c	S	1 1 1 1	3,000 2,000 4,000 5,000	14,000
12	New Westminster	New Westminster	CZB	1912	1950	c	S	1 1 1	5,000 1,500 6,000	12,500
13	Elburne Sawmills	Vancouver	CFP	1960	1960	c	S	2	5,750	11,500
14	Dry Dock	Prince Rupert	BCHPA	1950	1967	b	IC	3 1 1 1	799 1,970 2,034 5,000	11,401
15	Mica Creek	Mica	BCHPA	1965	1965	b	IC	1 2 1 2	675 1,000 2,500 3,000	11,175
16	Tasu	Tasu	WFM	1967	1967		IC	5	2,210	11,050
17	Chetwynd	Chetwynd	BCHPA	1958	1968	b	IC	2 1 3	600 800 3,000	11,000
18	Port Hardy	Port Hardy	BCHPA	1959	1969	b	IC GT	1 2 4 1	600 300 1,000 5,000	10,200
19	Youbou	Youbou	BCFP	1929	1967	c	S	1 2 1 1	800 750 2,000 5,000	9,300
20	Prince George	Prince George	BCHPA	1957	1963	b	IC	3	3,000	9,000
21	Tahsis	Tahsis	TCL	1956	1960	d	S	1 1	5,000 3,000	8,000
22	Golden	Golden	BCHPA	1968	1969	b	IC GT	2 1	1,500 5,000	8,000
23	McMahon	Taylor	PP	1957	1957	a	S	3	2,500	7,500

Gas Turbine GT
Internal Combustion IC
Steam S
Combustion Turbine CT

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
24	Golden	Golden	KIIFP	1966	-	d		1	7,500	7,500
25	Kelowna	Kelowna	SMS	1950	1963	b,c,d	S	1	750	
								1	2,000	
								1	3,500	
								1	1,000	7,250
26	Woodfibre	Woodfibre	RC	1948	1961	b,c	S	2	2,000	
								1	3,000	7,000
27	Smithers	Smithers	BCHPA	1951	1965	b	IC	2	560	
								1	760	
								2	1,000	
								1	3,000	6,880
28	Port Moody	Port Moody	WCL	1958	1965	d	S	1	3,500	
								1	3,000	6,500
29	Port Mellon	Port Mellon	CFP	1928	1947	b	S	1	500	
								1	1,500	
								1	3,000	5,000
30	Cassiar	Cassiar	CAC	1952	1966	b	IC	3	300	
								2	350	
								1	450	
								1	650	
								1	900	
								1	1,200	4,800
31	Vancouver	Vancouver	MBPR	1949	1956	c	S	1	750	
								1	4,000	4,750
32	Kimberley (Stand-by)	Kimberley	CMSC	1927	1928	d	S	3	1,500	4,500
33	Victoria	Victoria	BCFP	1940	1950	c	S	1	3,000	
								1	1,500	4,500
34	Giscome	Giscome	ELS	1951	1956	c	S	1	1,500	
								1	2,400	
							IC	1	300	4,200
35	Fort Nelson	Fort Nelson	BCHPA	1960	1969	a,b	IC	1	1,200	
								2	600	
								1	261	
								1	500	
								1	1,000	4,161
36	Lik Falls	Campbell River	EFC	1964	1965	c	S	1	3,225	
								1	800	4,055
37	Hammond	Hammond	BCFP	1928	1929	c	S	2	2,000	4,000
38	Chemainus	Chemainus	MBPR	1925	1950	c	S	1	3,000	
								1	750	3,750
39	Vancouver	Vancouver	BCSRC	1947	1960	a,b	S	3	1,250	3,750
40	Valemount	Valemount	BCHPA	1962	1969	b	IC	3	350	
								1	500	
								2	1,000	3,550
41	McBride	McBride	BCHPA	1951	1969	a,b	IC	1	1,000	
								4	600	3,400
42	Jedway	Jedway	JIOC	-	-	b	IC	3	1,000	
								1	225	3,225

Gas Turbine GT
Internal Combustion IC
Steam S
Combustion Turbine CT

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
43	Hazelton	Hazelton	BCHPA	1965	1969	b	IC	3 3 1 1	200 600 250 500	3,150
44	Kitimat	Kitimat	ALCAN	1954	1955	b	IC	3	1,000	3,000
45	Burns Lake	Burns Lake	BCHPA	1954	1965	b	IC	1 4 1	800 250 1,136	2,936
46	Honeymoon Bay	Honeymoon Bay	WFI	1949	1961	b	S	1 1	1,000 1,760	2,760
47	Stewart	Stewart	BCHPA	1965	1969	b	IC IC IC IC	2 1 1 1	500 125 350 1,136	2,611
48	Celgar Pulp Mill	Celgar Pulp Mill	CCC	1963	-		S	1	2,500	2,500
49	Masset	Masset	BCHPA	1969	1969	b	IC IC IC	1 1 2	250 500 600	2,450
50	Mesachie Lake	Mesachie Lake	HLC	1943	1949	c	S	1 1	1,600 750	2,350
51	Tide Camp	Stewart	GM	1965	1967	b	IC	3 2	500 400	2,300
52	Endako	Endako	EM	1964	1964	b	IC	1 1	1,250 1,000	2,250
53	Revelstoke	Revelstoke	COR	1926	1954	b	IC	2 1 1	300 400 1,000	2,000
54	Hazelton	Hazelton	HSL	1963	1965	b	IC	1 1	1,500 350	1,850
55	Bella Coola	Bella Coola	BCHPA	1955	1968	b	IC	1 1 1 1 2	96 100 261 350 500	1,807
56	Blue River	Blue River	BCHPA	1961	1969	b	IC IC IC IC	2 1 1 1	200 250 600 500	1,750
57	Sandspit	Queen Charlotte Islands	BCHPA	1962	1966	b	IC	2 1	600 500	1,700
58	Zeballos Mines	Zeballos Mines	ZIM	1962	1964	b	IC	2 1	300 1,000	1,600
59	Alert Bay	Alert Bay	BCHPA		1969	b	IC IC IC	3 2 1	250 150 500	1,550
60	Prince George	Prince George	NP	1967	-			1	1,500	1,500
Total capacity of plants 1,500 kw. and over (not listed above)									8,129	
Total capacity of plants under 1,500 kw.									35,150	
Total (all plants)									1,465,715	
Combined Hydro and Thermal Total									5,419,191	

Yukon Territory

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Whitehorse Rapids	Yukon	NCPC	1958	1958	61	2	7,500	26,000	5,695	19,390
2	Mayo River	Mayo	NCPC	1952	1957	110	1 2	11,000 3,000	6,000	8,000 2,550	5,100
Total capacity of plants under 1,500 kw.									2,140		1,650
Total capacity of turbines connected directly to mechanical equipment											
Total (all plants)									34,140		26,140

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Whitehorse	Whitehorse	NCPC	1968	1968	b	IC	1 1	5,150 3,920	9,070
Total capacity of plants 1,500 kw. and over (not listed above)										1,800
Total capacity of plants under 1,500 kw.										4,410
Total (all plants)										15,280
Combined Hydro and Thermal Total										41,420
				Gas Turbine	GT					
				Internal Combustion	IC					
				Steam	S					
				Combustion Turbine	CT					

Northwest Territories

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Twin Gorges	Taltson	NCPC	1965	-	-	1	25,000	25,000	18,000	18,000
2	Snare Falls	Snare	NCPC	1960	-	63	1	9,200	9,200	7,000	7,000
3	Snare Rapids	Snare	NCPC	1948	-	56	1	8,350	8,350	7,000	7,000
4	Bluefish Lake	Yellowknife	CMSC	1941	-	110	1	4,700	4,700	3,360	3,360

Total capacity of plants under 1,500 kw.

Total capacity of turbines connected directly to mechanical equipment

Total (all plants)	47,250	35,360
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THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Inuvik	Inuvik	NCPC	1957	1969	b	IC	2 1 1 2 1 1	375 150 960 1,000 600 600	5,060
2	Frobisher Bay	Frobisher Bay	NCPC	1963	1969	b	IC	1 1 1 1	1,000 960 500 2,585	5,045
3	Port Radium	Port Radium	EMR	1936	1953	b	IC	2 1 2 2 1 1	150 864 650 400 175 200	3,639
4	Hay River	Hay River	NU	1959	1967	b	IC	2 1 3	350 650 500	2,850
5	Fort Smith	Fort Smith	NCPC	1956	1969	b	IC	1 1	960 1,500	2,460
6	Tungsten	Tungsten	CTMC	1962	1962	b	IC	3	500	1,500

Total capacity of plants 1,500 kw. and over (not listed above)

Total capacity of plants under 1,500 kw. 13,809

Total (all plants)	34,363
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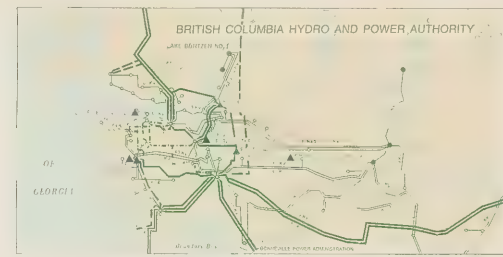
Combined Hydro and Thermal Total	69,723
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OWNER CODE INDEX

CODE	OWNER
ACL.....	Anaconda Company (Canada) Limited
ALCAN.....	Aluminum Company of Canada Limited
BCFP.....	British Columbia Forest Products Limited
BCHPA.....	British Columbia Hydro and Power Authority
BCSRC.....	British Columbia Sugar Refining Company Limited
CAC.....	Cassiar Asbestos Corporation Limited
CCC.....	Columbia Cellulose Company Limited
CFP.....	Canadian Forest Products Limited
CMSC.....	Cominco Limited
CN.....	City of Nelson
COR.....	City of Revelstoke
CTMC.....	Canada Tungsten Mining Corporation Limited
CZB.....	Crown Zellerbach Building Materials Limited
CZC.....	Crown Zellerbach Canada Limited
EFC.....	Elk Falls Company Limited
ELS.....	Eagle Lake Sawmills Company Limited
EM.....	Endako Mines Limited
EMR.....	Eldorado Mining and Refining Limited
GM.....	Granduc Mines Limited
HLC.....	Hillcrest Lumber Company Limited
HSL.....	Hazelton Sawmills Limited
JIOC.....	Jedway Iron Ore Company Limited
KHFP.....	Kicking Horse Forest Products Limited
MBPR.....	MacMillan Bloedel and Powell River Limited
NCPCL.....	Northern Canada Power Commission
NP.....	Northwood Pulp Company
PP.....	Pacific Petroleum Company Limited (now West Coast Transmission Company)
RC.....	Rayonier Canada (BC) Limited
SMS.....	S. M. Simpson Limited
TCL.....	Tahsis Company Limited
WCL.....	Weldwood of Canada Limited
WFI.....	Western Forest Industries Limited
WFM.....	Wesfrob Mines Limited
WKPL.....	West Kootenay Power and Light Company Limited
WM.....	Western Mines Limited
YEC.....	Yukon Electrical Company Limited
ZIM.....	Zeballos Iron Mines Limited



YUKON AND NORTHWEST TERRITORIES



VANCOUVER



NELSON

DEPARTMENT OF ENERGY, MINES AND TECHNICAL SURVEYS
ENERGY DEVELOPMENT SECTOR

BRITISH COLUMBIA MAIN ELECTRIC TRANSMISSION SYSTEMS AND PRINCIPAL POWER GENERATING DEVELOPMENTS

SCALE OF MILES

— LEGEND —

GENERATING STATIONS

Hydro electric
Thermal
Nuclear

TRANSMISSION LINES

110 kV
220 kV
500 kV
765 kV

OWNERSHIP

British Columbia Hydro and Power Authority
Other

DECEMBER 1989

Dept. of Energy and Mines

Publications

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TRANSMISSION
AND
GENERATING FACILITIES

Ontario

ENERGY DEVELOPMENT SECTOR
DEPARTMENT OF ENERGY, MINES AND RESOURCES

INDEX OF FUELS FOR THERMAL DEVELOPMENTS

Gas	a
Oil	b
Wood Waste	c
Coal	d
Coke	e
Waste Heat	f
Coke Oven Gas	g
Uranium Dioxide	h
Grain Refuse	i
Flare Gas	j

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Sir Adam Beck - Niagara Generating Station No. 1	Niagara	HEPCO	1922	1930	305 294 294 294	5 2 1 2	55,000 58,000 58,000 58,000	565,000	36,000 43,200 44,000 46,750	403,900
2	Generating Station No. 2			1954	1958	292	16	105,000	1,680,000	76,475	1,223,600
3	Pumping-Generating Station			1957	1958	85	6	46,000	276,000	29,450	176,700
4	Robert H. Saunders - St. Lawrence	St. Lawrence	HEPCO	1958	1959	81	16	75,000	1,200,000	57,000	912,000
5	Des Joachims	Ottawa	HEPCO	1950	1951	130	8	62,000	496,000	45,000	360,000
6	Abitibi Canyon	Abitibi	HEPCO	1933	1959	237	3 2	66,000 66,000	330,000	41,225 43,200	210,075
7	Otto Holden	Ottawa	HEPCO	1952	1953	77	4 4	35,000 33,000	272,000	25,650 25,650	205,200
8	Otter Rapids	Abitibi	HEPCO	1961	1963	107	4	60,000	240,000	43,700	174,800
9	Stewartville	Madawaska	HEPCO	1948	1969	148	3 2	28,000 68,000	220,000	20,400 45,900	153,000
10	Barrett Chute	Madawaska	HEPCO	1942	1942	150	2 2	28,000 84,000	224,000	20,400 55,800	152,400
11	Mountain Chute	Madawaska	HEPCO	1967	1967	151	2	112,000	224,000	69,750	139,500
12	Aubrey Falls	Mississauga	HEPCO	1969	1969	173	2	100,000	200,000	75,075	130,150
13	Harmon	Mattagami	HEPCO	1965	1965	101	2	94,000	188,000	64,600	129,200
14	Pine Portage	Nipigon	HEPCO	1950	1954	105	2 2	41,000 45,000	172,000	29,700 34,650	128,700
15	Kipling	Mattagami	HEPCO	1966	1966	102	2	94,000	188,000	62,700	125,400
16	Chenau	Ottawa	HEPCO	1950	1951	40	8	21,000	168,000	15,300	122,400
17	Little Long	Mattagami	HEPCO	1963	1963	90	2	84,000	168,000	60,800	121,600
18	Decew Falls No. 2	Welland Canal	HEPCO	1943	1947	280	2	75,000	150,000	57,600	115,200
19	Ontario Power	Niagara	HEPCO	1905	1919	-	3 4 5	11,700 11,700 13,400	148,900	7,500 8,770 8,775	101,455
20	Rankine	Niagara	CNPC	1904	1924	133	5 2 3 1	10,000 12,500 10,750 12,000	119,250	7,500 9,375 9,375 10,300	94,675
21	Toronto Power	Niagara	HEPCO	1906	1915	-	7 4	15,000 13,000	157,000	9,000 7,200	91,800
22	Chats Falls	Ottawa	HEPCO	1931	1931	53	4	28,000	112,000	22,325	89,300
23	Caribou Falls	English	HEPCO	1958	1958	58	3	34,000	102,000	25,650	76,950
24	Cameron Falls	Nipigon	HEPCO	1920	1958	72 72 73	2 4 1	12,500 12,500 25,000	100,000	9,540 8,480 19,000	72,000

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
25	Manitou Falls	English	HEPCO	1956	1958	54	5	18,500	92,500	14,400	72,000
26	Alexander	Nipigon	HEPCO	1930	1958	60 58	3 2	18,000 19,000	92,000	12,750 13,500	65,250
27	Whitedog Falls	Winnipeg	HEPCO	1958	1958	50	3	27,000	81,000	21,600	64,800
28	Smoky Falls	Mattagami	SFPPC	1928	1931	113	4	18,750	75,000	13,200	52,800
29	Silver Falls	Kaministiquia	HEPCO	1959	-	330	1	60,000	60,000	45,000	45,000
30	Geo. W. Rayner	Mississagi	HEPCO	1950	1950	210	2	29,000	58,000	21,150	42,300
31	Upper Falls	Montreal	GLPC	1937	1957	232	2 1	12,600 31,000	56,200	9,000 22,500	40,500
32	Aguasabon	Aguasabon	HEPCO	1948	1948	290	2	27,500	55,000	20,250	40,500
33	Red Rock Falls	Mississagi	HEPCO	1960	1961	93	2	26,500	53,000	20,250	40,500
34	Island Falls	Abitibi	APPC	1924	1925	63	4	12,000	48,000	9,600	38,400
35	DeCew Falls No. 1	Welland Canal	HEPCO	1901	1913	-	1 1 2 1 1	6,000 6,000 6,000 6,000 6,000	36,000	4,800 5,000 5,300 5,600 5,900	31,900
36	Kakabeka Falls	Kaministiquia	HEPCO	1906	1914	178	3 1	7,500 12,500	35,000	5,400 7,970	24,170
37	High Falls	Michipicoten	GLPC	1930	1950	147	2 1	11,000 13,200	35,200	6,750 9,675	23,175
38	Big Eddy	Spanish	HCL	1929	1929	90	3	9,400	28,200	7,200	21,600
39	Sault Ste. Marie	St. Mary	GLPC	1918	1931	18.5	24 3 1	900 2,400 2,200	31,000	650 1,440 1,600	21,520
40	Iroquois Falls	Abitibi Lake & Black River	APPC	1949	1949	43	1 1 1 6 5	1,800 1,800 2,200 2,200 2,400	31,000	1,200 1,280 1,200 1,280 2,025	21,485
41	Twin Falls	Abitibi	APPC	1921	1925	57.5	5	6,000	30,000	4,050	20,250
42	Gartshore	Montreal	GLPC	1958	-	112	1	30,300	30,300	20,000	20,000
43	Hollingsworth Falls	Michipicoten	GLPC	1959	-	108	1	30,300	30,300	20,000	20,000
44	Ear Falls	English	HEPCO	1930	1948	36	1 1 2	5,000 5,000 7,500	25,000	4,000 3,825 5,400	18,625
45	High Falls	Spanish	HCL	1905	1966	85	4 1	4,000 7,500	23,500	3,000 5,550	17,550
46	Norman	Winnipeg (West Branch)	OMPP	1925	1925	22	5	3,400	17,000	3,300	16,500

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
47	Lower Falls	Montreal	GLPC	1938	1942	185	2	10,900	21,800	8,100	16,200
48	Hogg	Montreal	GLPC	1965	-	77	1	21,750	21,750	15,000	15,000
49	Espanola	Spanish	KVPC	1906	1946	64	4	1,675		1,250	
						64	1	10,000		7,500	
						64	1	2,350	19,050	1,750	14,250
50	Scott Falls	Michipicoten	GLPC	1952	1952	70	2	10,000	20,000	6,800	13,600
51	Fort Frances	Rainy	OMPP	1955	1955	28	8	2,000	16,000	1,600	12,800
52	Welland Canal	Welland Canal	STLSA	1932	1952	160	3	5,000	15,000	4,000	12,000
53	Wawaitin	Mattagami	HEPCO	1912	1918	125	2	3,450		2,500	
							2	4,000	14,900	3,375	11,750
54	Kenora	Winnipeg	OMPP	1925	1924	22	4	1,200		1,000	
							6	1,200	12,000	1,250	11,500
55	Heely Falls	Trent	HEPCO	1915	1919	73	2	5,600		3,750	
							1	5,600	16,800	3,000	10,500
56	McPhail Falls	Michipicoten	GLPC	1954	1954	48	2	7,500	15,000	5,000	10,000
57	Upper Notch	Montreal	HEPCO	1930	1950	48	2	6,500	13,000	4,800	9,600
58	Calm Lake	Seine	OMPP	1928	1928	82	2	6,400	12,800	4,675	9,350
59	Sturgeon Falls	Sturgeon	APPC	1902	1964	40.5	1	2,500		1,800	
							1	1,000		1,685	
							1	1,500		1,350	
							1	1,500		1,685	
							1	1,500		1,415	
							1	1,000	9,000	1,415	9,350
60	Eddy	Ottawa	EBEC	1909	1912	38	2	4,650		3,000	
							1	4,650	13,950	3,300	9,300
61	Crystal Falls	Sturgeon	HEPCO	1921	1921	33	4	2,600	10,400	2,020	8,080
62	Ranney Falls	Trent	HEPCO	1922	1926	-	1	1,000		720	
							2	5,000	11,000	3,600	7,920
63	Chaudière Falls No.4	Ottawa	OHEC	1931	1931	38	2	5,400	10,800	3,960	7,920
64	Big Eddy	Muskoka	HEPCO	1941	1941	38	2	5,280	10,560	3,825	7,650
65	Ragged Rapids	Muskoka	HEPCO	1938	1938	38	2	5,200	10,400	3,825	7,650
66	Sturgeon Falls	Seine	OMPP	1927	1927	64	2	5,000	10,000	3,825	7,650
67	Matabitchuan	Matabitchuan	HEPCO	1910	1910	305	4	3,300	13,200	1,690	6,760
68	Swift Rapids	Severn	OWLP	1916	1966	47	1	2,120		1,350	
							2	3,500	9,120	2,700	6,750
69	Lower Sturgeon	Mattagami	HEPCO	1923	1923	42	2	4,000	8,000	3,200	6,400
70	Smooth Rock	Mattagami	APPC	1916	1916	45	2	4,500	9,000	3,125	6,250
71	Eugenia	Beaver	HEPCO	1915	1920	550	2	2,250		1,200	
							1	4,000	8,500	2,400	4,800

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
72	Meyersburg	Trent	HEPCO	1924	1924	32	3	2,200	6,600	1,600	4,800
73	Nairn	Spanish	HCL	1917	1919	30	3	2,600	7,800	1,500	4,500
74	Chaudière Falls No. 2	Ottawa	ONEC	1909	1936	40	3	2,300	6,900	1,462	4,386
75	Peterborough	Otonabee	HEPCO	1902	1950	27	1 1 1	2,300 2,550 2,140	6,990	1,200 1,500 1,400	4,100
76	Coniston	Wanapitei	HEPCO	1905	1915	53	1 1 1	1,200 1,600 3,500	6,300	720 1,125 2,250	4,095
77	Stinson	Wanapitei	HEPCO	1925	1925	-	2	3,500	7,000	2,000	4,000
78	Calabogie	Madawaska	HEPCO	1917	1917	30	2	3,000	6,000	2,000	4,000
79	Big Chute	Severn	HEPCO	1911	1919	56	3 1	1,300 2,300	6,200	900 1,280	3,980
80	South Falls	South Muskoka	HEPCO	1916	1925	107	1 2	1,000 2,200	5,400	635 1,600	3,835
81	Wabagishik	Vermilion	HCL	1912	1935	70	1 1	2,700 2,700	5,400	1,600 2,140	3,740
82	Minden	Gull	OWLP	1935	1935	66	2	2,600	5,200	1,800	3,600
83	Sandy Falls	Mattagami	HEPCO	1911	1916	32 34	2 1	1,200 2,500	4,900	950 1,595	3,495
84	Hagues Reach	Trent	HEPCO	1925	1925	22.5	3	1,600	4,800	1,120	3,360
85	Indian Chute	Montreal	HEPCO	1923	1924	45	2	2,250	4,500	1,620	3,240
86	Sidney	Trent	HEPCO	1911	1911	20	4	1,400	5,600	795	3,180
87	Seymour	Trent	HEPCO	1909	1911	23	4 1	1,100 1,100	5,500	600 750	3,150
88	Mathias	Muskoka	OWLP	1950	-	43	1	3,770	3,770	2,812	2,812
89	Hound Chute	Montreal	HEPCO	1910	1911	-	4	1,335	5,340	700	2,800
90	Kapuskasing	Kapuskasing	SFPPC	1923	-	30	1	2,500	2,500	2,750	2,750
91	Frankford	Trent	HEPCO	1913	1913	18	4	1,200	4,800	650	2,600
92	Jones Falls	Rideau Canal	GELW	1948	1950	65 58 58	1 2 1	250 1,037 1,500	3,824	180 800 800	2,580
93	Sills Island	Trent	HEPCO	1926	1926	14	1 1	1,000 1,000	2,000	1,275 1,020	2,295
94	McVittie	Wanapitei	HEPCO	1912	1912	42	2	1,800	3,600	1,125	2,250
95	Nassau	Otonabee	CGEC	1902	1926	16	1 2	1,600 700	3,000	1,500 360	2,220
96	High Falls	Mississippi	HEPCO	1920	1920	82	3	1,240	3,720	700	2,100

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
97	Nipissing	South	HEPCO	1909	1909	-	1 1	1,250 1,250	2,500	1,000 1,050	2,050
98	Lakefield	Otonabee	HEPCO	1928	-	16	1	3,100	3,100	2,000	2,000
99	Fountain Falls	Montreal	HEPCO	1914	1914	30	2	1,500	3,000	1,000	2,000
100	Rideau Falls	Rideau	DPW	1909	1909	47	2	1,500	3,000	1,000	2,000
101	Crow Bay	Trent Canal	CPUC	1909	1911	-	1 1	1,470 1,000	2,470	1,125 850	1,975
102	Auburn	Otonabee	HEPCO	1911	1912	18	3	950	2,850	625	1,875
103	Current River	Current	TBH	1902	1906	80	2 1	450 1,200	2,100	350 1,100	1,800
104	Eagle	Eagle	DPC	1928	-	37	1	2,000	2,000	1,760	1,760
105	Trethewey Falls	South Muskoka	HEPCO	1929	-	35	1	2,300	2,300	1,600	1,600

Total capacity of plants under 1,500 kw.

30,086

21,244

Total capacity of turbines connected directly to mechanical equipment

27,375

Total (all plants)

9,263,805

6,634,032

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Lakeview	Toronto	HEPCO	1961	1966	b,d	S CT	8 4	300,000 7,500	2,430,000
2	Richard L. Hearn	Toronto	HEPCO	1951	1966	d	S CT	4 4	100,000 200,000 7,500	1,230,000
3	Lambton	Sarnia	HEPCO	1967	1969	d	S	2	1,000,000	1,030,000
4	J. Clark Keith	Windsor	HEPCO	1951	1967	b,d	S CT	4 1	66,000 7,500	271,500
5	Douglas Point	Kincardine	HEPCO	1966	-	h	S	1	200,000	200,000
6	Thunder Bay	Fort William	HEPCO	1963	-	d	S CT	1 2	100,000 14,150	128,300
7	Detweiler	Kitchener	HEPCO	1967	1967	b	CT	4	16,520	65,280

Gas Turbine
Internal Combustion
Steam
Combustion Turbine

GT
IC
S
CT

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
8	A.W. Manby	Toronto	HEPCO	1965	1966	b	CT	4	16,320	65,280
9	Windsor	Windsor	FMCC	1936	1952	d	S	1 1 2	10,000 4,000 25,000	64,000
10	Sarnia-Scott	Sarnia	HEPCO	1965	1966	b	CT	2 2	15,000 16,320	62,640
11	Sarnia	Sarnia	PC	1943	1956	b,d	S	1 1 1 1	10,000 5,000 4,000 13,200	32,280
12	Sault Ste. Marie	Sault Ste. Marie	ASC	1942	1963	a,b,d	S	2 2	12,500 625	26,250
13	Fort William	Fort William	GLPAC	1928	-	a,c,d	S	1 1 1	4,000 5,000 17,100	26,100
14	Kapuskasing	Kapuskasing	SFPPC	1928	1958	a,c,d	S	2 1 1	650 12,500 9,100	22,900
15	Nuclear Power Demonstration Unit	Rolphon	AECL	1962	-	h	S	1	20,000	20,000
16	Marathon	Marathon	ACC	1946	1948	b,d	S	1 2	7,500 4,000	15,500
17	Amherstburg	Amherstburg	ACCL	1938	1957	d	S	1 1 1	2,500 4,700 3,750	10,950
18	Hamilton	Hamilton	SCC	1948	1959	a,b,g	S	1 1	4,000 6,000	10,000
19	Thorold	Thorold	OPC	1937	1937	a,d	S	2	4,000	8,000
20	Dryden	Dryden	DPC	1954	-	a,d	S	1	6,000	6,000
21	Station No. 6	Gananoque	GELW	1959	1967	a	IC	2 1 1	1,360 1,200 1,250	5,170
22	Walkerville	Walkerville	HWS	1924	1955	d	S	2 1 1	1,000 2,500 625	5,125
23	Strathcona	Strathcona	SP	1955	1955	d	S	2	1,655	3,310
24	Chatham	Chatham	CDSC	1946	1946	d	S	2	1,500	3,000
25	Fort Frances	Fort Frances	OMPP	1927	-	d	S	1	3,000	3,000

Gas Turbine	GT	Turbine à Gaz
Internal Combustion	IC	Combustion Interne
Steam	S	Vapeur
Combustion Turbine	CT	Turbine à Combustion

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
26	Blind River	Blind River	MFLG	1927	1927	c	S	1	750	
								1	2,000	2,750
27	Toronto	Toronto	CDSC	1959	-	a,b,d	S	1	2,500	2,500
28	Toronto	Toronto	CCCC	1937	-	b,d	S	1	2,500	2,500
29	Ottawa	Ottawa	EBEC	1923	-	d	S	1	2,500	2,500
30	Port Arthur	Port Arthur	APPC	1928	-	a,c,d	S	1	2,500	2,500
31	New Toronto	New Toronto	GTR	1940	-	b,d	S	1	2,500	2,500
32	Pembroke	Pembroke	PHEC	1929	1949	b	IC	1	933	
								2	671	2,275
33	Orillia	Orillia	OWLP	1947	1948	b	IC	1	1,000	
								1	1,136	2,136
34	Cardinal	Cardinal	CSC	1945	1964	b	IC	3	320	
								1	640	
								1	500	2,100
35	Peterborough	Peterborough	CGEC	1930	1949	d	S	1	2,000	2,000
36	Espanola	Espanola	KVPC	1947	1951	d	S	1	2,000	2,000

Total capacity of plants 1,500 kw. and over (not listed above)

99,250

Total capacity of plants under 1,500 kw.

10,500

Total (all plants)

5,880,096

Combined Hydro and Thermal Total

12,514,128

Gas Turbine	GT
Internal Combustion	IC
Steam	S
Combustion Turbine	CT

OWNER CODE INDEX

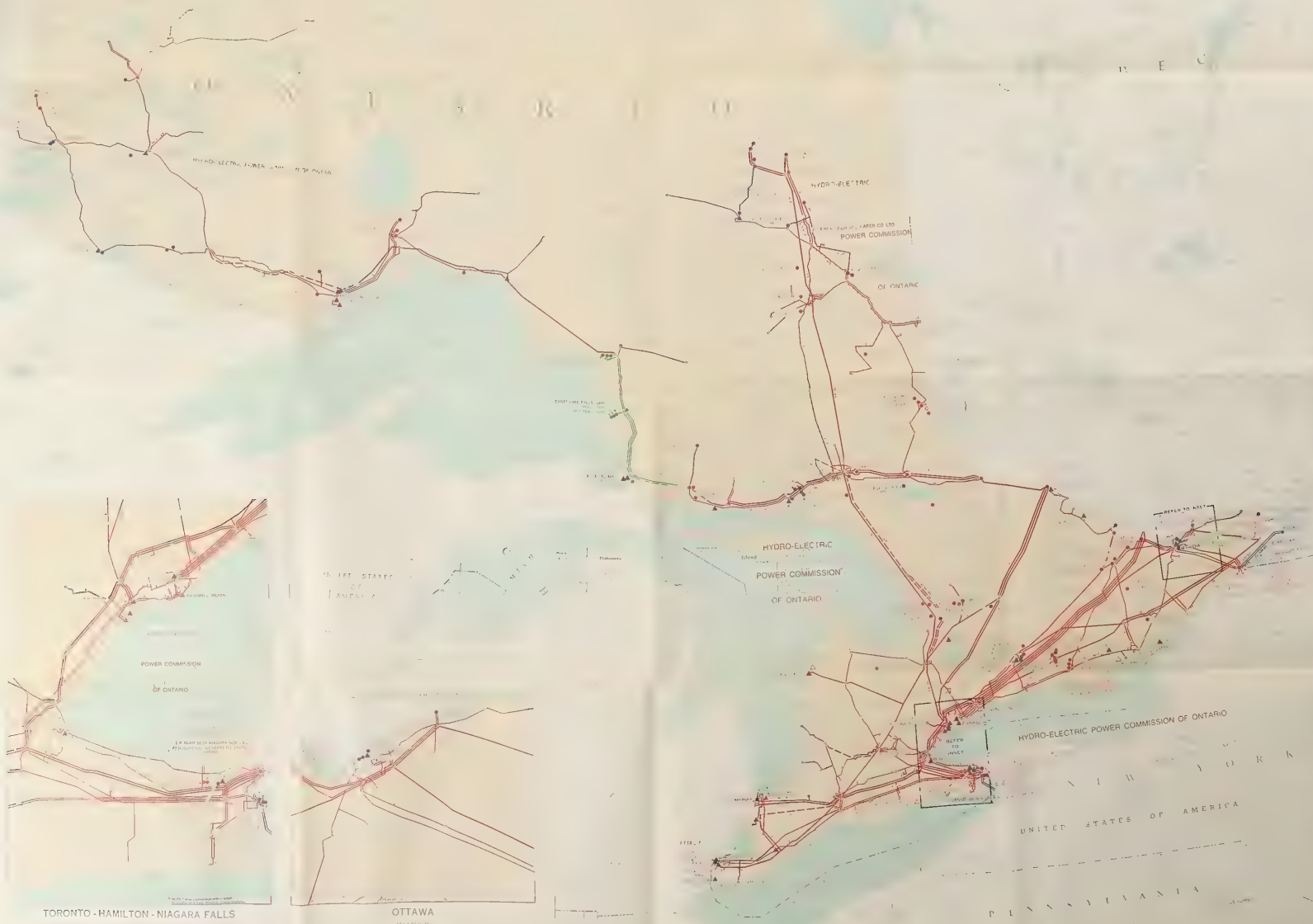
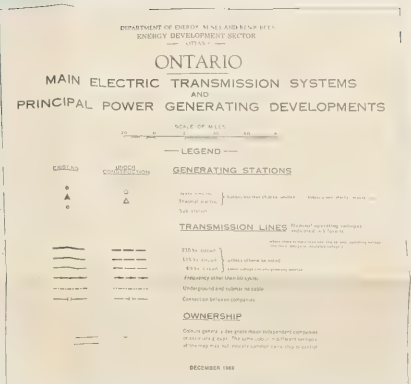
CODE	OWNER
ACC.....	American Can of Canada Limited
ACCL.....	Allied Chemical Canada Limited
AECL.....	Atomic Energy of Canada Limited
APPC.....	Abitibi Power and Paper Company Limited
ASC.....	Algoma Steel Corporation Limited
CCCC.....	Continental Can Company of Canada Limited
CDSC.....	Canada and Dominion Sugar Company Limited
CGEC.....	Canadian General Electric Company Limited
CNPC.....	Canadian Niagara Power Company Limited
CPUC.....	Campbellford Public Utilities Commission
CSC.....	Canada Starch Company Limited
DPC.....	Dryden Paper Company Limited
DPW.....	Department of Public Works, Government of Canada
EBEC.....	E. B. Eddy Company
FMCC.....	Ford Motor Company of Canada Limited
GELW.....	Gananoque Electric Light and Water Supply Co. Ltd.
GLPAC.....	Great Lakes Paper Company
GLPC.....	Great Lakes Power Corporation Limited
GTR.....	Goodyear Tire and Rubber Company Limited
HCL.....	Huronian Company Limited
HEPCO.....	Hydro-Electric Power Commission of Ontario
HWS.....	Hiram Walker and Sons Limited
KVPC.....	Kalamazoo Vegetable Parchment Company Limited
MFLC.....	McFadden Lumber Co. (Domtar)
OHEC.....	Ottawa Hydro-Electric Commission
OMPP.....	Ontario-Minnesota Pulp and Paper Company Limited
OPC.....	Ontario Paper Company
OWLP.....	Orillia Water Light and Power Commission
PAPUC.....	Port Arthur Public Utilities Commission
PC.....	Polymer Corporation
PELC.....	Pembroke Electric Light Company Limited
PHPC.....	Peterborough Hydraulic Power Company
SCC.....	Steel Company of Canada Limited
SFPPC.....	Spruce Falls Power and Paper Company
SP.....	Strathcona Paper Company Limited
STLSA.....	St. Lawrence Seaway Authority

HUDSON BAY

KEELCEET

JAMES

ALBERTA

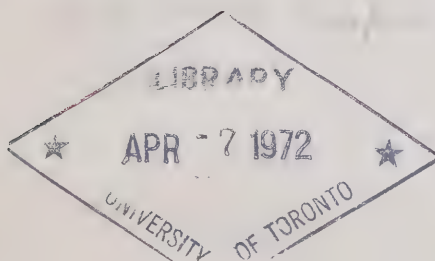


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PRAIRIE PROVINCES



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TRANSMISSION
AND
GENERATING FACILITIES

Prairie Provinces

ENERGY DEVELOPMENT SECTOR
DEPARTMENT OF ENERGY, MINES AND RESOURCES

INDEX OF FUELS FOR THERMAL DEVELOPMENTS

Gas	a
Oil	b
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Coal	d
Coke	e
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Coke Oven Gas	g
Uranium Dioxide	h
Grain Refuse	i
Flare Gas	j

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Grand Rapids	Saskatchewan	MHI	1965	1968	120	4	150,000	600,000	109,250	437,000
2	Kelsey	Nelson	MHI	1960	1969	50	6	42,000	252,000	33,750	202,500
3	Seven Sisters	Winnipeg	MHI	1931	1952	66	6	33,330	200,000	25,000	150,000
4	Great Falls	Winnipeg	MHI	1923	1928	58	6	31,000	186,000	22,000	132,000
5	Pine Falls	Winnipeg	MHI	1951	1952	37	6	19,000	114,000	13,950	83,700
6	Slave Falls	Winnipeg	WHI	1931	1948	30	8	12,000	96,000	9,000	72,000
7	Pointe du Bois	Winnipeg	WHI	1911	1925	45	5 3 3 3 2	5,200 6,800 6,900 7,300 8,000	105,000	3,000 4,000 5,200 5,200 5,200	68,600
8	McArthur Falls	Winnipeg	MHI	1954	1955	23	8	10,000	80,000	7,650	61,200
9	Laurie River No. 2	Laurie	MHI	1958	-	55	1	7,000	7,000	5,400	5,400
10	Laurie River No. 1	Laurie	MHI	1950	1952	55	2	3,500	7,000	2,475	4,950

Total capacity of plants under 1,500 kw.

Total capacity of turbines connected directly to mechanical equipment

Total (all plants)

1,647,000

1,217,350

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Brandon	Brandon	MHI	1957	1969	d,a,b	S S	1 4	105,000 33,000	237,000
2	Selkirk	Selkirk	MHI	1960	1969	b,d	S GT	2 4	66,000 11,900	179,600
3	Amy Street	Winnipeg	WHI	1924	1954	d	S	2 1 1	5,000 15,000 25,000	50,000
4	The Pas	The Pas	MHI	1948	1962	b	IC	1 4 1 1	1,100 1,000 750 400	6,250

Gas Turbine GT
Internal Combustion IC
Steam S
Combustion Turbine CT

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
5	Fort Churchill	Fort Churchill	MH	1949	1963	b	IC	3 4 3	200 300 1,136	5,208
6	Fort Garry	Winnipeg	MSC	1940	1953	b	S	1 1	1,500 2,500	4,000
7	Churchill	Churchill	NHB	1931	1955	b,d,i	S	1 1 1	1,500 600 1,250	
							IC	1 1	200 250	3,800
8	Thompson	Thompson	INCO		1958	b	IC	2	1,500	3,000
Total capacity of plants 1,500 kw. and over (not listed above)										10,160
Total capacity of plants under 1,500 kw.										4,721
Total (all plants)										503,739
Combined Hydro and Thermal Total										1,721,089
				Gas Turbine	GT					
				Internal Combustion	IC					
				Steam	S					
				Combustion Turbine	CT					

Saskatchewan

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Squaw Rapids	Saskatchewan	SPC	1963	1966	105	6 2	46,000 53,000	382,000	33,500 38,700	278,400
2	Coteau Creek	South Saskatchewan	SPC	1968	1968		3	84,000	252,000	62,200	186,600
3	Island Falls	Churchill	CRPC	1930	1959	56	3 3 1	16,500 19,000 19,000	125,500	11,880 18,000 17,100	106,740
4	Waterloo Lake	Charlot	EN	1961	-	63	1	10,000	10,000	7,500	7,500
5	Wellington Lake	Charlot	EN	1939	1960	70	2	3,300	6,600	2,400	4,800

Total capacity of plants under 1,500 kw.

Total capacity of turbines connected directly to mechanical equipment

Total (all plants)

776,100

584,040

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Boundary Dam	Estevan	SPC	1959	1960	a	S S	2 1	66,000 150,000	282,000
2	Queen Elizabeth	Saskatoon	SPC	1958	1959	a,b,d	S	1 1	66,000 75,000	141,000
3	A.L. Cole	Saskatoon	SPC	1929	1957	a,b,d	S	1 1 2 1	10,000 15,000 25,000 30,000	105,000
4	Regina	Regina	SPC	1925	1960	a,b	S	1 1 1 1	15,000 5,000 20,000 30,000	
							GT	1	23,360	93,360
5	Estevan	Estevan	SPC	1929	1957	a,d	S	1 1 1 1	5,000 15,000 20,000 30,000	70,000
6	Success	Success	SPC	1967	1967	a	GT	3	11,840	35,520
7	Kindersley	Kindersley	SPC	1955	1958	a	IC	3	3,000	
							GT	2	10,000	29,000
8	Moose Jaw	Moose Jaw	SPC	1930	1952	a,b	S	1 1	10,000 15,000	25,000

Gas Turbine
Internal Combustion
Steam
Combustion Turbine

GT
IC
S
CT

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
9	Kalium	Kalium	KC	1964	1964	a	S	2	7,500	15,000
10	Swift Current	Swift Current	SPC	1954	1957	b	IC	2 4	1,275 3,000	14,550
11	Eldorado	Eldorado	EN	1952	1956	b	IC	4	2,250	9,000
12	Flin Flon	Flin Flon (Saskatchewan)	IBMS	1929	1951	b,d	S	1 1	1,000 6,000	7,000
13	La Ronge	La Ronge	SPC	1953	1960	b	IC	2 2 1 1	50 100 350 1,000	1,650
Total capacity of plants 1,500 kw. and over (not listed above)										10,000
Total capacity of plants under 1,500 kw.										3,017
Total (all plants)										841,097
Combined Hydro and Thermal Total										1,425,137
				Gas Turbine	GT					
				Internal Combustion	IC					
				Steam	S					
				Combustion Turbine	CT					

HYDRO

No.	Development	River	Owner	Year Installed		Rated Head ft.	No. of Units	Turbines		Generators	
				First Unit	Latest Unit			Unit Capacity hp.	Total Capacity hp.	Unit Capacity kw.	Total Capacity kw.
1	Big Bend	Brazeau	CP	1965	1967	386	1	210,000 250,000	460,000	144,000 161,500	305,500
2	Spray	Spray Diver- sion	CP	1951	1960	875	2	62,000	124,000	40,400	80,800
3	Rundle	Spray Diver- sion	CP	1951	1960	318 317	1 1	23,000 40,000	63,000	17,000 29,750	46,750
4	Ghost	Bow	CP	1929	1954	105 92	2 1	18,000 30,000	66,000	12,750 21,150	46,650
5	Cascade	Cascade	CP	1942	1957	320	2	23,000	46,000	17,000	34,000
6	Pumping-Generating Station	Brazeau	CP	1965	-	-	2	12,850	25,700	9,720	19,440
7	Horseshoe	Bow	CP	1953	1955	72	2 2	4,680 7,500	24,360	3,375 5,625	18,000
8	Kananaskis	Bow	CP	1913	1951	68 70	2 1	6,000 12,000	24,000	3,400 9,560	16,360
9	Bearspaw	Bow	CP	1954	-	48	1	20,750	20,750	15,300	15,300
10	Pocaterra	Kananaskis	CP	1955	-	185	1	18,400	18,400	13,500	13,500
11	Barrier	Kananaskis	CP	1947	-	135	1	13,500	13,500	9,560	9,560
12	Interlakes	Kananaskis	CP	1955	-	98	1	6,900	6,900	5,040	5,040
13	Three Sisters	Spray Diver- sion	CP	1951	-	50	1	3,600	3,600	3,400	3,400

Total capacity of plants under 1,500 kw.

1,843

1,400

Total capacity of turbines connected directly to mechanical equipment

Total (all plants)

898,053

616,200

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
1	Wabamun	Wabamun	CP	1956	1967	a,d	S	2 1 1	66,000 150,000 300,000	582,000
2	Rosedale	Edmonton	CE	1939	1966	a,b	S	2 3 2	15,000 30,000 75,000	
							GT	2	30,000	
							S	1	75,000	405,000
3	Battle River	Forestburg	CU	1956	1969	b,d	S	2	33,000	
							S	1	150,000	216,000

Gas Turbine
Internal Combustion
Steam
Combustion Turbine

GT
IC
S
CT

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
4	Tar Island	Fort McMurray	GCOS	1966	1967	e	S	2	32,500	65,000
5	Medicine Hat	Medicine Hat	CMI	1929	1953	a	S	1 1 1	3,000 5,000 30,000	38,000
6	Lethbridge	Lethbridge	CL	1931	1961	a	S	1 2	3,375 5,000	
							GT	2	10,000	33,375
7	Rainbow Lake	Rainbow Lake	NJ	1968	-	a	GT	1	30,000	30,000
8	Hinton	Hinton	NWPP	1956	1957	a,b,c	S	1	21,760	
							IC	1 1	1,100 1,000	23,860
9	Clover Bar	Edmonton	C	1953	1966	a	S	3 1	6,000 4,000	22,000
10	Simonette	Simonette	CU	1966		j	GT	1	20,000	20,000
11	Sturgeon	Valleyview	CU	1958	1961	j	GT	1 1	10,000 8,500	18,500
12	Drumheller	Drumheller	CU	1928	1952	d	S	2 1	7,500 2,500	17,500
13	Two Hills	Duvernay	WC	1953	1958	a	S	3 1	300 1,200	
							IC	6	500	
							GT	1	8,437	13,537
14	Fort McMurray	Fort McMurray	CU	1954	1969	b	IC GT	3 1 2 1 1	500 3,000 1,200 2,500 650	10,050
15	Sentinel	Coleman	CP	1927	1929	d	S	2	5,000	10,000
16	South Power Plant	Edmonton	DPWA	1959	1963	a	GT	1	2,100	
							S	1 1	5,000 2,200	9,300
17	Vermilion	Vermilion	CU	1948	1961	a	S	4	2,250	9,000
18	Taber	Taber	CSF	1950	1967	a,b	S	1 1 1	2,000 1,675 4,300	7,975
19	Foot Hills Hospital	Calgary		1965	1969		S S IC	2 1 1	1,000 5,000 450	7,450
20	Fairview	Fairview	NJ	1954	1960	a	IC	2	3,000	6,000
21	Fort Saskatchewan	Fort Saskatchewan	SGM	1954	1959	a	S	2	2,500	5,000
22	Whitecourt	Whitecourt	PAPC	1958	1964	a	IC	2 5	300 800	4,600
23	Rimbey	Rimbey	BA	1960	1963	a	S	4	1,000	4,000

Gas Turbine GT
Internal Combustion IC
Steam S
Combustion Turbine CT

THERMAL

No.	Station	Location	Owner	Year Installed		Fuel	Type of Prime Mover	Generators		
				First Unit	Latest Unit			No.	Unit Capacity kw.	Total Capacity kw.
24	Jasper	Jasper	NU	1941	1968	b	IC	1 1 1 2 1	1,200 475 850 500 300	3,825
25	Glenmore Filter Plant	Calgary	COC	1965	1965		S	2	1,800	3,600
26	Picture Butte	Picture Butte	CSF	1936	1968	a	S	1 2	1,250 750	2,750
27	Edmonton	Legislative Bldg.	DPWA	1953	1965	a	S	2 1	800 500	2,100
28	West Whitecourt	West Whitecourt	PAPC	1968			IC			1,600
Total capacity of plants 1,500 kw. and over (not listed above)										4,000
Total capacity of plants under 1,500 kw.										17,665
Total (all plants)										1,593,687
Combined Hydro and Thermal Total										2,209,887
				Gas Turbine	GT					
				Internal Combustion	IC					
				Steam	S					
				Combustion Turbine	CT					

OWNER CODE INDEX

CODE	OWNER
BA.....	British American Oil Company
C.....	Chemsell (1953) Limited
CE.....	City of Edmonton
CL.....	City of Lethbridge
CMH.....	City of Medicine Hat
COC.....	City of Calgary
CP.....	Calgary Power Ltd.
CRPC.....	Churchill River Power Company
CSF.....	Canadian Sugar Factories Limited
CU.....	Canadian Utilities Limited
DPWA.....	Department of Public Works, Government of Alberta
DPW.....	Department of Public Works, Government of Canada
EN	Eldorado Nuclear Limited
GCOS.....	Great Canadian Oil Sands Limited
HBMS.....	Hudson Bay Mining and Smelting Company Limited
INCO.....	International Nickel Company of Canada Limited
KC.....	Kalium Chemicals Limited
MH.....	Manitoba Hydro
MSC.....	Manitoba Sugar Company Limited
NHB.....	National Harbours Board, Government of Canada
NU.....	Northland Utilities Limited
NWPP.....	North Western Pulp and Power Limited
PAPC.....	Pan American Petroleum Corporation
SGM.....	Sherritt-Gordon Mines Limited
SPC.....	Saskatchewan Power Corporation
WC.....	Canadian Chemicals Limited (formerly Western Chemicals Limited)
WH.....	Winnipeg Hydro

DEPARTMENT OF ENERGY, MINES AND RESOURCES
ENERGY DEVELOPMENT SECTOR
— OTTAWA —

PRAIRIE PROVINCES

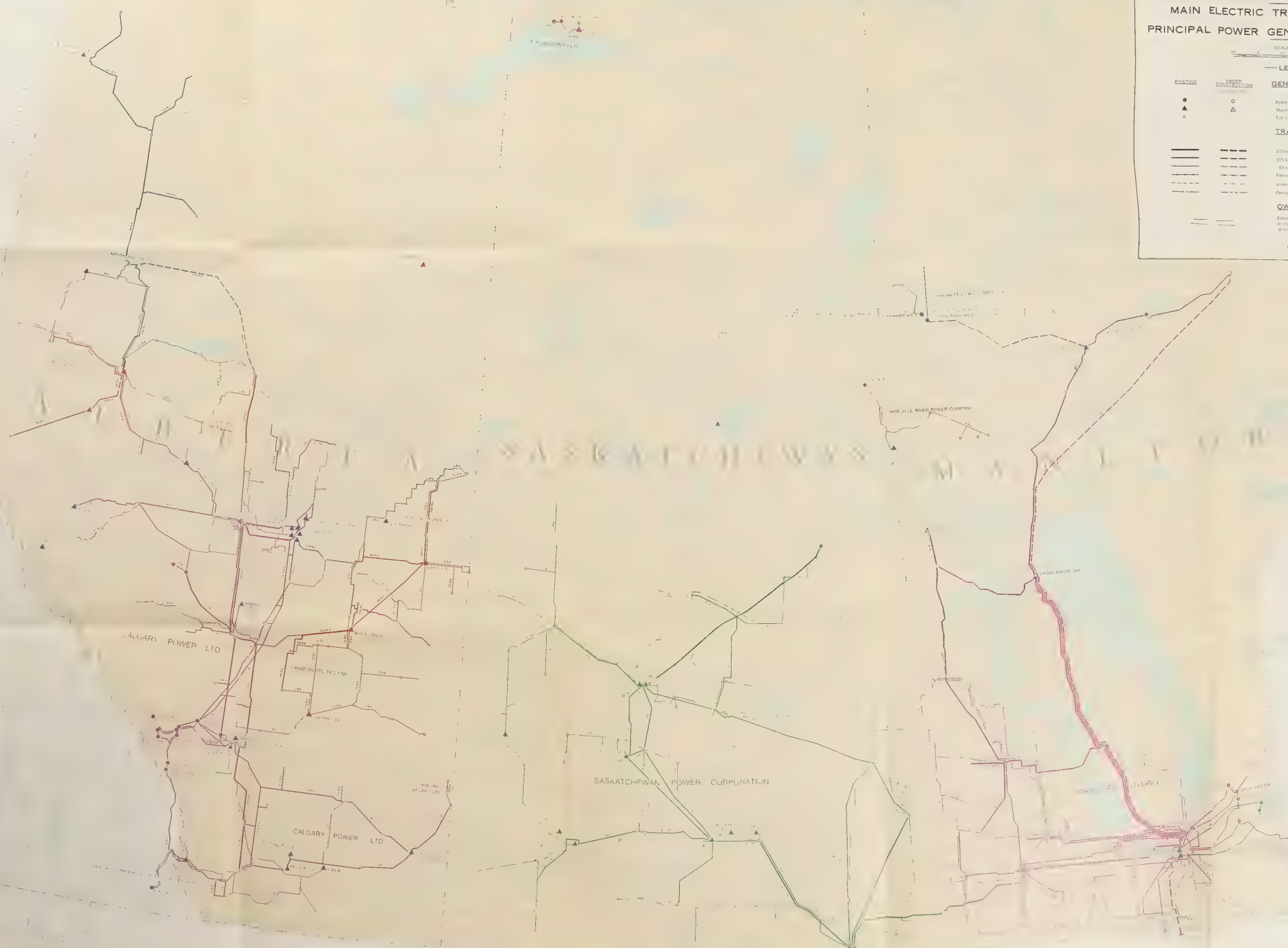
MAIN ELECTRIC TRANSMISSION SYSTEMS AND PRINCIPAL POWER GENERATING DEVELOPMENTS

SCALE OF MILES
0 10 20 30 40 50

— LEGEND —

EXISTING	UNDER CONSTRUCTION	GENERATING STATIONS
●	○	Hydro-electric } Stations with less than 1000 kw. output
▲	△	Thermal electric } Stations with more than 1000 kw. output
○	○	Geothermal } Stations with less than 1000 kw. output
		Other } Stations with more than 1000 kw. output
		TRANSMISSION LINES
—	---	230 kv. circuit } unless otherwise noted
---	---	115 kv. circuit } unless otherwise noted
---	---	69 kv. circuit } unless otherwise noted
---	---	Frequency other than 60 cycle
---	---	Underground and submarine cable
---	---	Connection between companies
		OWNERSHIP
		Colors generally designate major independent companies or groups of companies. The same color in different sections of the map may not indicate company ownership or control.

DECEMBER 1955



l'énergie électrique au canada

Canadian
Publications

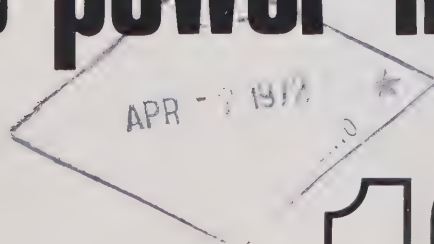
carte en annexe

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QUÉBEC

electric power in canada



1969

map supplement

TRANSMISSION

AND

GENERATING

FACILITIES

ENERGY DEVELOPMENT SECTOR

DEPARTMENT OF ENERGY, MINES AND RESOURCES

Québec

SECTEUR DE L'EXPLOITATION DE L'ÉNERGIE
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

CENTRALES

ET

INSTALLATIONS

DE TRANSMISSION

INDEX OF FUELS FOR THERMAL DEVELOPMENTS

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Gas	a	Gaz
Oil	b	Mazout
Wood Waste	c	Déchets de bois
Coal	d	Charbon
Coke	e	Coke
Waste Heat	f	Chaleur résiduelle
Coke Oven Gas	g	Gaz de coke
Uranium Dioxide	h	Bioxide d'uranium
Grain Refuse	i	Rebuts de céréales
Flare Gas	j	Gaz naturel

HYDRO

AMÉNAGEMENTS HYDRO-ÉLECTRIQUES

No. N°	Development Amenagement	River Riviere	Owner Propriétaire	Year Installed Année de l'installation		Rated Head ft. Hauteur de chute nominale en pieds		No. of Units Nombre de groupes	Turbines			Generators Générateurs		
				First Unit Premier groupe	Latest Unit Dernier groupe				Unit Capacity hp. Capacité de chaque groupe en Hp	Total Capacity hp.	Capacité globale en Hp	Unit Capacity kw. Capacité de chaque groupe en kW	Total Capacity kw.	Capacité globale en kW
1	Beauharnois: Section 1	St. Lawrence Saint-Laurent	HQ	1932	1948	80	8	53,000			37,300			
	Section 2			1950	1953	80	3	55,000			40,000			
	Section 3			1959	1961	80	10	73,700	2,148,000	55,250	1,574,260			
2	Manic 2	Manicouagan	HQ	1965	1967	230	8	170,000	1,360,000	126,900	1,015,200			
3	Bersimis I	Betsiamites	HQ	1956	1959	785	8	150,000	1,200,000	114,000	912,000			
4	Outardes	Outardes	HQ	1969	1969		4	258,500	1,034,000	189,050	756,200			
5	Chute des Passes	Péribonka	ALCAN	1959	1960	540	5	200,000	1,000,000	148,500	742,500			
6	Shipshaw	Saguenay	ALCAN	1942	1943	208	2	95,000			58,500			
							6	103,000			60,000			
							2	101,000			60,000			
							2	95,000	1,200,000	60,000	717,000			
7	Bersimis II	Betsiamites	HQ	1959	1960	380	5	180,000	900,000	131,000	655,000			
8	Carillon	Ottawa Outaouais	HQ	1962	1964	61	14	60,000	840,000	46,750	654,500			
9	Outardes			1969	1969		4	216,000	864,000	158,000	632,000			
10	Isle Maligne	Saguenay	SAPC	1925	1937	110	12	45,000	540,000	28,000	336,000			
11	McCormick Dam	Manicouagan	MP	1951	1965	124	2	56,200			35,625			
							3	60,000			40,000			
							2	80,000	452,400	56,250	303,750			
12	Trenche	Saint-Maurice	HQ	1950	1955	160	6	65,000	390,000	47,700	286,200			
13	Beaumont	Saint-Maurice	HQ	1958	1959	124	6	55,000	330,000	40,500	243,000			
14	La Tuque	Saint-Maurice	HQ	1940	1955	114	5	44,500			36,000			
							1	49,000	271,500	36,000	216,000			
15	Paugan	Gatineau	HQ	1928	1956	133	1	47,000			32,400			
						132	7	34,000	285,000	24,225	201,975			
16	Chute-à-la-Savane	Péribonka	ALCAN	1953	1953	110	5	57,000	285,000	37,450	187,250			
17	Chute-du-Diable	Péribonka	ALCAN	1952	1952	110	5	55,000	275,000	37,450	187,250			
18	Manic 1	Manicouagan	HQ	1966	1967	120	3	80,000	240,000	61,470	184,410			
19	Rapide Blanc	Saint-Maurice	HQ	1934	1955	108	1	44,500			30,600			
							5	40,000	244,500	30,600	183,600			
20	Chute à Caron	Saguenay	ALCAN	1931	1934	160	4	75,000	300,000	45,000	180,000			
21	Shawinigan No. 2	Saint-Maurice	HQ	1911	1929	145	3	43,000			30,000			
							3	18,500			15,000			
							2	18,500	221,500	14,000	163,000			
22	Les Cèdres	St. Lawrence Saint-Laurent	HQ	1914	1924	35	18	12,650	227,700	9,000	162,000			
23	Shawinigan No. 3			1948	1949	145	3	65,000	195,000	50,000	150,000			
24	Grand'Mère	Saint-Maurice	HQ	1915	1930	80	5	22,000			15,725			
							1	22,000			18,000			
							1	24,500			20,000			
						84	2	22,000	200,500	15,725	148,075			

HYDRO

AMÉNAGEMENTS HYDRO-ÉLECTRIQUES

No. N°	Development Amenagement	River Riviere	Owner Propriétaire	Year Installed Année de l'installation		Rated Head ft.	Hauteur de chute nominale en pieds	No. of Units Nombre de groupes	Turbines			Generators Générateurs	
				First Premier groupe	Latest Der nier groupe				Unit Capacity hp. Capacité de chaque groupe en Hp	Total Capacity hp. Capacité globale en Hp	Unit Capacity kw. Capacité de chaque groupe en kw	Total Capacity kw. Capacité globale en kw	
25	Chelsea	Gatineau	HQ	1927	1939	100	5	34,000	170,000	28,800	144,000		
26	La Gabelle	Saint-Maurice	HQ	1924	1931	60	3 2	36,000 32,000	172,000	24,750 24,750	123,750		
27	Rapide-des-Iles	[Ottawa (Upper) — Outaouais (supérieure)]	HQ	1966	1967	86	3	50,000	150,000	36,630	109,890		
28	Farmers Rapids	Gatineau	HQ	1927	1947	66	3 2	24,000 24,000	120,000	20,000 19,125	98,250		
29	Masson	Lièvre	MQPC	1933	1933	185	4	34,000	136,000	23,800	95,200		
30	Première Chutes	[Ottawa (Upper) — Outaouais (supérieure)]	HQ	1968	1969		3	42,400	127,200	31,050	93,150		
31	Rapides-des-Quinze	[Ottawa (Upper) — Outaouais (supérieure)]	HQ	1923	1955	90	2 2 2	10,000 10,000 34,500	109,000	8,000 10,800 26,000	89,600		
32	Chat Falls	[Ottawa — Outaouais]	OVPC	1932	1932	53	4	29,940	119,760	22,325	89,300		
33	High Falls	Lièvre	MQPC	1930	1936	180	1 3	32,500 30,000	122,500	21,250 21,250	85,000		
34	Rapid VII	[Ottawa (Upper) — Outaouais (supérieure)]	HQ	1941	1949	68	4	16,000	64,000	14,250	57,000		
35	Bryson	[Ottawa — Outaouais]	HQ	1925	1949	60	2 1	25,700 27,000	78,400	18,000 20,000	56,000		
36	Murdock Willson	Shipshaw	PCL	1957	-	263	1	82,000	82,000	51,000	51,000		
37	Jim Gray	Shipshaw	PCL	1953	1953	338	2	35,000	70,000	25,500	51,000		
38	Chutes-aux-Outardes	Outardes	QNSPC	1937	1937	208	2	36,300	72,600	25,000	50,000		
39	Chutes Fifty Foot	Hart Jaune	HJP	1960	1960	123	3	22,000	66,000	16,150	48,450		
40	Rapid II	[Ottawa (Upper) — Outaouais (supérieure)]	HQ	1954	1964	67	4	16,000	64,000	12,000	48,000		
41	Iles Montréal	Des-Prairies	HQ	1929	1930	26	3 3	8,800 12,000	62,400	7,500 7,500	45,000		
42	Chutes Dufferin	Lièvre	JMC	1958	1959	62	2	25,000	50,000	19,125	38,250		
43	Chicoutimi	Chicoutimi	SMPC	1957	-	273	1	42,000	42,000	32,000	32,000		
44	Chutes Hemming	Saint-François	HQ	1925	1925	48	6	5,600	33,600	4,800	28,800		
45	Hull 2	[Ottawa — Outaouais]	HQ	1920	1968	32	3 1	7,500 13,400	35,900	5,760 10,000	27,280		
46	Sept Chutes	St. Anne (de Beaurpré)	HQ	1916	1916	410	4	6,000	24,000	4,680	18,720		
47	St. Marguerite	Marguerite	GPC	1954	1954	100	2	12,000	24,000	8,800	17,600		
48	Kipawa	Gordon Creek	HQ	1920	1926	200	2 1 1	3,600 8,500 9,350	25,050	2,800 5,760 5,760	17,120		
49	St. Narcisse	Batiscan	HQ	1926	1926	147	2	11,100	22,200	7,500	15,000		
50	Drummondville	Saint François	HQ	1910	1925	27	2 2	3,200 6,000	18,400	2,500 4,800	14,600		

HYDRO

AMÉNAGEMENTS HYDRO-ÉLECTRIQUES

No. N°	Development Amenagement	River Riviere	Owner Propriétaire	Year Installed Année de l'installation		Rated Head ft. Hauteur de chute nominale en pieds		No. of Units Nombre de groupes	Turbines			Generators Générateurs	
				First Unit Premier groupe	Latest Unit Dernier groupe				Unit Capacity hp. Capacité de chaque groupe en Hp	Total Capacity hp.	Capacité Globale en Hp	Unit Capacity kw. Capacité de chaque groupe en kW	Total Capacity kw. Capacité Globale en kW
51	Chutes aux Galets	Shipshaw	PCL	1921	1921	101	2	8,820	17,640	6,800	13,600		
52	Chutes Chaudière	Ottawa Outaouais	EBEC	1913	1955	38	3	5,500	16,500	3,750	11,250		
53	Chicoutimi	Chicoutimi	PCL	1923	-	72	1	11,000	11,000	9,900	9,900		
54	W.R. Beatty	Black	PELC	1917	1951	129	1 1 1 2	1,800 2,250 2,500 3,000	12,550	1,250 1,530 1,800 2,250	9,080		
55	Buckingham	Lièvre	ERC	1914	1939	30	1 1 3	2,000 2,500 2,000	10,500	1,375 1,836 1,440	7,531		
56	Price	Mitis	HQ	1922	1929	120	1 1	3,700 5,900	9,600	2,400 4,000	6,400		
57	Adam Cunningham	Shipshaw	PCL	1953	-	56	1	9,500	9,500	6,375	6,375		
58	Port-Arnaud	Chicoutimi	HQ	1912	1917	56	1 2	2,500 2,500	7,500	1,700 1,875	5,450		
59	Bell Falls	Rouge	HQ	1915	1920	54	3	2,400	7,200	1,600	4,800		
60	Kénogami	Au Sable	PCL	1912	1912	264	2	3,350	6,700	2,345	4,690		
61	Grand Mitis No. 2	Mitis	HQ	1947	-	75	1	6,000	6,000	4,250	4,250		
62	Jonquière No. 1	Au Sable	MJ	1907	1924	42 47	1 1	1,800 4,030	5,830	1,280 2,812	4,092		
63	Westbury	Saint-François	VS	1928	1928	28	2	2,900	5,800	2,000	4,000		
64	Chaudière	Chaudière	HQ	1903	1904	114	2 1	1,400 2,000	4,800	1,000 1,500	3,500		
65	Lachute Mills	Nord (du)	AL	1929	1929	36	3	1,500	4,500	1,080	3,240		
66	Windsor Mills	Saint-François	DPP	1936	1939	19	2 1 1	1,500 800 430	4,230	1,120 600 320	3,160		
67	Weedon	Saint-François	VS	1920	1926	30 29	2 1	1,700 1,700	5,100	1,040 1,040	3,120		
68	St. Alban	Ste. Anne de la Pérade	HQ	1927	-	64	1	4,000	4,000	3,000	3,000		
69	Ogilvie Flour Mills	Canal Lachine	OFM	1940	1948	23 15	2 2	1,600 400	4,000	1,200 300	3,000		
70	St. Raphael	Sud (du)	HQ	1921	1921	232	3	1,500	4,500	850	2,550		
71	Domtar	Jacques Cartier	DPP	1960	1962	60	2	1,200	2,400	1,200	2,400		
72	MacDougall	Jacques Cartier	DPP	1925	1927	55	2	1,900	3,800	1,200	2,400		
73	Jonquière	Au sable	PCL	1916	1916	67	1 1	1,800 1,625	3,425	1,200 1,200	2,400		
74	Winneway	Winneway (Outaouis supérieure)	LMC	1938	1943	54	2	1,400	2,800	1,169	2,338		
75	Mont Laurier	Lièvre	HQ	1937	1951	22	1 2	500 1,325	3,150	500 900	2,300		
76	Sherbrooke	Magog	HQ	1910	1910	55	3	1,333	4,000	752	2,256		
77	Garneau	Chicoutimi	HQ	1925	-	33	1	3,450	3,450	2,240	2,240		

HYDRO

AMÉNAGEMENTS HYDRO-ÉLECTRIQUES

No. N°	Development Amenagement	River Riviere	Owner Propriétaire	Year Installed Année de l'installation		Rated Head ft. Hauteur de chute nominale en pieds	No. of Units Nombre de groupes	Capacity hp. Capacité de chaque groupe en hp	Total Capacity Capacité globale en HP	Generators Générateurs	
				First Unit Premier groupe	Latest Unit Dernier groupe					Unit Capacity kw. Capacité de chaque groupe en kW	Total Capacity Total Capacity en kW
78	Magog	Magog	DTC	1920	1920	25	2	1,500	3,000	1,000	2,000
79	Corbeau	Gatineau	HQ	1926	1926	16	2	1,250	2,500	1,000	2,000
80	Bird's	Jacques Cartier	DPP	1937	-	27	1	2,250	2,250	1,920	1,920
81	Rock Forest	Magog	VS	1911	1911	30	2	1,500	3,000	940	1,880
82	Rivière-du-Loup	Du Loup	VRL	1929	1942	100	1	960	640		
						1	1	1,900	2,860	1,200	1,840
83	East Angus Mill	Saint François	DPP	1910	1910	33	1	1,090	846		
						33	1	1,090	990		
						20	1	252	2,432	-	1,836
84	Magpie	Magpie	HQ	1961	1961	31	2	1,500	3,000	900	1,800
85	Rawdon	Ouareau	HQ	1928	-	46	1	2,300	2,300	1,720	1,720
86	Frontenac	Magog	VS	1917	1917	38	2	1,450	2,900	800	1,600
87	Chutes Burroughs	Nigger	HQ	1929	-	180	1	2,000	2,000	1,600	1,600

Total capacity of plants under 1,500 kw.

25,360

16,548

Puissance installée globale des centrales de moins de 1,500 kW.

Total capacity of turbines connected directly to mechanical equipment

59,365

Puissance globale des turbines couplées directement à de l'équipement mécanique

Total (all plants) Puissance installée de toutes les centrales

17,356,552

12,499,196

THERMAL

AMÉNAGEMENTS THERMO-ÉLECTRIQUES

No. N°	Station Centrale	Location - Emplacement	Owner Propriétaire	Year Installed Année de l'installation		Fuel	Combustible Type of	Prime Mover Type de moteur	No. Nombre de groupes	Capacity Unit Capacity kw.	Generators Générateurs	
				First Unit Premier groupe	Latest Unit Dernier groupe						Capacity de chaque groupe en kW	Total Capacity Total Capacity en kW
1	Tracy	Tracy	HQ	1964	1968	b	S	4	150,000		600,000	
2	Les Boules	Les Boules	HQ	1955	1960	b	GT	6	6,000		36,000	
3	Kenogami Mill	Kénogami	PCL	1967	-	b	S	1	14,750		14,750	
4	Chandler	Chandler	GPP	1930	1954	b	S	1	6,000			
								1	2,500			
								1	4,000		12,500	
5	Noranda	Noranda	NM	1934	1957	f	S	1	2,600			
								1	3,000			
								1	4,500		10,100	
6	Cap aux Meules	Iles-de-la-Madeleine	HQ	1953	1964	b	IC	1	1,065			
								3	1,000			
								1	1,200			
								2	2,200		9,665	
7	Drummondville	Drummondville	CCL	1935	1953	b,d	S	1	1,500			
								1	2,500			
								1	3,500			
								1	2,000		9,500	

Gas Turbine
Internal Combustion
Steam
Combustion TurbineGT
IC
S
CT
Turbine à Gaz
Combustion Interne
Vapeur
Turbine à Combustion

THERMAL

AMÉNAGEMENTS THERMO-ÉLECTRIQUES

No. N°	Station Centrale	Location Emplacement	Owner Propriétaire	Year Installed Année de l'installation			Fuel	Combustible Type of Prime Mover	No. Type de moteur primaire	Unit Capacity Capacité de groupes kw.	Generators Générateurs	
				First Unit Premier groupe	Latest Unit Dernier groupe						Capacity de chaque groupe en kw.	Total Capacity Total Capacité en kw.
8	Murdochville	Murdochville	GCM	1952	1955	b, f	S	1	5,400			
							IC	2	1,000			
								1	500		7,700	
9	Thurso	Thurso	TPPC	1957	-	b, c, d	S	1	7,500		7,500	
10	Ville de Québec	Ville de Québec	ACPP	1927	-	b	S	1	6,000		6,000	
11	Magog	Magog	DTC	1938	1948	d	S	2	2,000		4,000	
12	Montréal	Montréal	CDSC	1925	1947	a, b	S	2	1,000			
								1	1,500		3,500	
13	Gatineau	Gatineau	CIPC	1927	1960	b, c	S	4	750		3,000	
14	Schefferville	Schefferville	IOCC	1956	1956	b	IC	3	1,000		3,000	
15	Trois Rivières	Trois Rivières	CIPC	1922	1925	b, c	S	6	500		3,000	
16	Havre St. Pierre	Havre St. Pierre	REC	1950	1963	b	IC	1	1,000			
								1	500			
								3	300		2,400	
17	Port et terminus (de réserve)	Port Cartier	QCMC	1960	1960	b	IC	2	1,000		2,000	
18	Lac Jeannine (de réserve)	Gagnon	QCMC	1960	1960	b	IC	2	1,000		2,000	
19	Havre St. Pierre	Havre St. Pierre	HQ	1967	-	b	IC	2	1,000		2,000	
20	Desmaraisville	Desmaraisville	CM	1960	1964			13	136			
								1	152		1,920	
21	Rivière-du-Loup	Rivière-du-Loup	VRL	1947	1953	b	IC	2	240			
								1	1,360		1,840	
22	Blanc Sablon	Blanc Sablon	HQ	1965	1967	b	IC	2	600			
								1	350		1,550	

Total capacity of plants 1,500 kw. and over (not listed above)

7,250

Puissance installée globale des centrales de 1,500 kW et plus (non comprises ci-dessus)

Total capacity of plants under 1,500 kw.

13,425

Puissance installée globale des centrales de moins de 1,500 kW

Total (all plants) Puissance installée de toutes les centrales

764,600

Combined Hydro and Thermal Total

13,263,796

Puissance Totale Hydro-Électrique et Thermo-Électrique

Gas Turbine
Internal Combustion
Steam
Combustion Turbine

GT
IC
S
CT
Turbine à Gaz
Combustion Interne
Vapeur
Turbine à Combustion

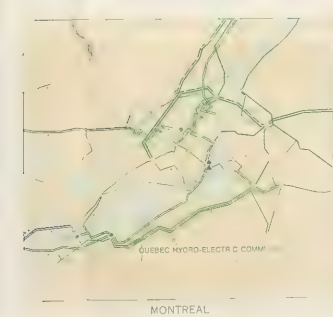
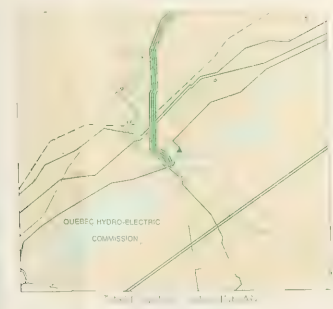
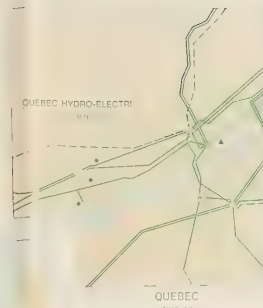
owner code

INDEX

des propriétaires

SIGLE	PROPRIÉTAIRE
ACPP.....	Anglo-Canadian Pulp and Paper Mills Limited
AL.....	Ayers Limited
ALCAN.....	Aluminum Company of Canada Limited
CCL.....	Canadian Celanese Limited
CDSC.....	Canada and Dominion Sugar Company Limited
CHEQ.....	Commission hydroélectrique de Québec
CIPC.....	Canadian International Paper Company
CM.....	Coniagas Mines Limited
DP.....	Donnacona Paper Company
DPP.....	Domtar Pulp and Paper Company Limited
EBEC.....	E. B. Eddy Company
ERC.....	Electric Reduction Company
GCM.....	Gaspé Copper Mines Limited
GPC.....	Gulf Power Company
GPP.....	Gaspesia Pulp and Paper Company Limited
HJP.....	Hart Jaune Power Company
HQ.....	Commission hydroélectrique de Québec
IOCC.....	Iron Ore Company of Canada
JMC.....	James MacLaren Company Limited
LMC.....	Lorraine Mining Company Limited
MJ.....	Municipalité de Jonquière
MP.....	Manicouagan Power Company
MQPC.....	MacLaren-Québec Power Company
NM.....	Noranda Mines Limited
OFM.....	Ogilvie Flour Mills
OVPC.....	Ottawa Valley Power Company
PCL.....	Price Company Limited
PELC.....	Pembroke Electric Light Company Limited
QCMC.....	Québec Cartier Mining Company
QNSPC.....	Québec-North Shore Paper Company
REC.....	Romaine Electric Company Limited
SAPC.....	Saguenay Power Company
SMPC.....	Smelter Power Corporation
TPPC.....	Thurso Pulp and Paper Company
VRL.....	Ville de Rivière-du-Loup
VS.....	Ville de Sherbrooke

CODE	OWNER
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DEPARTMENT OF ENERGY, MINES AND TECHNICAL SERVICES
ENERGY DEVELOPMENT SECTOR

QUEBEC
MAIN ELECTRIC TRANSMISSION SYSTEMS
AND
PRINCIPAL POWER GENERATING DEVELOPMENTS

LEGEND

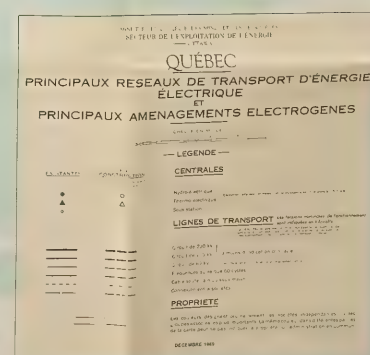
GENERATING STATIONS

TRANSMISSION LINES

OWNERSHIP

1:50,000

DECEMBER 1962



Energy Development Sector
DEPARTMENT OF ENERGY, MINES AND RESOURCES
OTTAWA, CANADA

Secteur de l'exploitation de l'énergie
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES
OTTAWA, CANADA

